



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

December 3, 2003

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Tyson Foods / 075-17765-00022

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 9/16/03



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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

**Tyson Foods, Inc., Mexican Original
1355 W. Tyson Road
Portland, Indiana 47371**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 075-17765-00022

Issued by: Original signed by
Paul Dubenetzky, Branch Chief
Office of Air Quality

Issuance Date: December 3, 2003

Expiration Date: December 3, 2008

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary taco shell, corn chip, tortilla and flatbread manufacturing source.

Authorized individual: Air Permitting and Compliance Engineer
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
General Source Phone: (260) 726-1601
SIC Code: 2096 and 2041
Source Location Status: Jay County
Attainment for all criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) flour silo system, constructed in 1994/95, including:
 - (1) Four (4) flour silos, identified as EU-PR-FL-31 through 34, each equipped with a baghouse, identified as CE-FL-31 through 34, respectively, and exhausting to the atmosphere, capacity: 36,000 pounds of flour per hour, each, and 36,000 pounds of flour per hour, total.
 - (2) Two (2) flour sifters, identified as EU-PR-FL-36 and 37, each equipped with a baghouse, identified as CE-FL-36 and 37, and exhausting inside, capacity: 24,000 pounds of flour per hour, each.
- (b) One (1) tortilla production process, constructed in 1994/95, producing a maximum of 14,880 pounds of tortillas per hour, including:

- (1) One (1) tortilla flour usebin, identified as EU-PR-FL-35, equipped with a baghouse, identified as CE-FL-35, and exhausting inside, input capacity: 24,000 pounds of flour per hour.
 - (2) Three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, equipped with a baghouse, identified as CE-FL-35, and exhausting inside, capacity: 15,000 pounds of flour per hour, total.
 - (3) Three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, equipped with filters, identified as CE-TO-09 through 11, respectively, and exhausting inside, capacity: 3,472 pounds of raw materials, excluding water, per hour, each.
 - (4) Six (6) sets of pressed tortilla forming equipment.
 - (5) Six (6) propane and natural gas-fired tortilla ovens, identified as EU-PR-TO-02 through 07 (EU-PR-TO-07 was constructed in 2001), each with a heat input capacity of 1.5 million British thermal units per hour, and exhausting through stacks EP-TO-2 through 7, respectively.
 - (6) Tortilla cooling, packing and shipping.
 - (7) One (1) tortilla minor ingredients system consisting of:
 - (A) Thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, exhausting inside, input capacity: 1,000 pounds per hour, total.
 - (B) Two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, exhausting inside, capacity: 1,000 pounds per hour, each.
 - (C) Three (3) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-36 through 38, each equipped with a baghouse, identified as CE-TMI-36 through 38, respectively, and exhausting inside, capacity: 12,000 pounds per hour, each.
- (c) One (1) flatbread production process, constructed in 1998, producing a maximum of 3,750 pounds of flatbread per hour, including:
- (1) One (1) flatbread flour usebin, identified as EU-PR-FB-30, equipped with a baghouse, identified as CE-FB-30, and exhausting inside, capacity: 24,000 pounds of flour per hour.
 - (2) One (1) flatbread scale hopper, identified as EU-FB-31, equipped with a baghouse, identified as CE-FB-30, and exhausting inside, capacity: 15,000 pounds of flour per hour.
 - (3) One (1) flatbread mixer, identified as EU-PR-FB-32, equipped with a filter, identified as CE-FB-32, and exhausting inside, capacity: 2,496 pounds of raw materials, excluding water, per hour.
 - (4) One (1) set of flatbread forming equipment.
 - (5) One (1) propane and natural gas-fired flatbread oven, identified as EU-PR-FB-28, with

a heat input capacity of 1.5 million British thermal units per hour, and exhausting through stacks EP-FB-09-01 and EP-FB-09-02, capacity: 3,750 pounds of flatbread per hour.

- (6) Flatbread cooling, packing and shipping.
- (7) One (1) flatbread minor ingredients system consisting of:
 - (A) One (1) flatbread minor ingredient hand dump hopper, identified as EU-PR-FBM-01, equipped with a baghouse, identified as CE-FBM-02, and exhausting inside, capacity: 1,000 pounds per hour.
 - (B) One (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, equipped with a baghouse, identified as CE-FBM-02, and exhausting inside, input capacity: 1,000 pounds per hour.
 - (C) One (1) flatbread minor ingredient scale hopper, identified as EU-FBM-03, equipped with a filter, identified as CE-FBM-03, and exhausting inside, capacity: 15,000 pounds per hour.
 - (D) One (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, equipped with a baghouse, identified as CE-FBM-04, and exhausting inside, capacity: 15,000 pounds per hour.
- (d) One (1) taco shell production process, constructed in 1994/95, producing a maximum of 3,240 pounds of taco shells per hour, including:
 - (1) One (1) primary masa usebin (including two (2) masa totes), identified as EU-PR-MA-45, equipped with a baghouse, identified as CE-MA-45, and exhausting inside, input capacity: 9,000 pounds of masa per hour, total.
 - (2) One (1) primary masa scale hopper, identified as EU-PR-MA-53, constructed in 2003, venting to the usebin which is equipped with a baghouse, identified as CE-MA-45, and exhausting inside, input capacity: 12,000 pounds of masa per hour.
 - (3) One (1) taco shell mixer, identified as EU-PR-MA-52, constructed in 2003, equipped with a filter, identified as CE-MA-52, and exhausting inside, capacity: 1,547 pounds of raw materials, excluding water, per hour.
 - (4) Three (3) natural gas and propane-fired taco shell ovens, identified as EU-PR-TS-19, EU-PR-TS-22 and EU-PR-TS-25, each with a heat input capacity of 3.9 million British thermal units per hour, and exhausting through stacks EP-TSO-3-1 and 2, EP-TSO-4-1 and 2, and EP-TSO-5-1 and 2, respectively.
 - (5) Three (3) taco shell fryers, identified as EU-PR-TS-20, EU-PR-TS-23 and EU-PR-TS-26, each equipped with a propane or natural gas-fired heat exchanger with a heat input capacity of 2.1 million British thermal units per hour, and exhausting through stacks EP-TSF-3, 4 and 5, with the heat exchangers exhausting through stacks EP-TSHE-3 through 5, respectively, capacity: 1,080 pounds per hour, each.
 - (6) Taco shell cooling, packing and shipping.

- (e) One (1) whole corn chip production process, constructed in 1994/95, producing a maximum of 2,100 pounds of corn chips per hour, including:
 - (1) One (1) whole corn truck unloading station, identified as EU-PR-CR-39, equipped with a baghouse identified as CE-CR-39 and exhausting through stack EP-39, capacity: 30,000 pounds of corn per hour.
 - (2) Two (2) whole corn silos, identified as EU-PR-CR-40 and 41, each equipped with a baghouse, identified as CE-CR-40 and 41, respectively, and exhausting through stacks EP-40 and 41, respectively, capacity: 30,000 pounds of corn per hour, each, and 30,000 pounds of corn per hour, total.
 - (3) One (1) whole corn scale hopper, identified as EU-PR-CR-42, equipped with a baghouse, identified as CE-CR-42, and exhausting inside, capacity: 9,000 pounds of corn per hour.
 - (4) Two (2) corn cooking kettles, capacity: 2,121 pounds of raw materials per hour, total.
 - (5) One (1) whole corn transfer tank, capacity: 2,100 pounds per hour.
 - (6) Twelve (12) whole corn holding tanks, capacity: 2,100 pounds per hour, total.
 - (7) One (1) wet corn grinder, capacity: 2,100 pounds per hour.
 - (8) One (1) natural gas and propane-fired chip oven, identified as EU-PR-CL-13, with a heat input capacity of 3.2 million British thermal units per hour, and exhausting through stack EP-CL-02-01/02.
 - (9) One (1) chip fryer, identified as EU-PR-CLF-2, equipped with a propane or natural gas-fired heat exchanger with a heat input capacity of 2.9 million British thermal units per hour, and exhausting through stack EP-CLF2, with the heat exchanger exhausting through stack EP-CLHE-2, capacity: 2,100 pounds per hour.
 - (10) One (1) chip conveyor, identified as EU-CLAC-2, exhausting to stack EP-CLAC-2, capacity: 2,100 pounds per hour.
 - (11) One (1) salt tumbler.
 - (12) Corn chip packing and shipping.
- (f) One (1) salt tank, identified as EU-PR-SA-01, equipped with a filter, identified as CE-SA-01, and exhausting through stack EP-SA-01, capacity: 25,000 pounds of salt per hour.
- (g) One (1) boiler, identified as EU-PR-BR-01, constructed in 1994/1995, fired by propane or natural gas, exhausting through stack EP-Boiler, heat input capacity: 6.3 million British thermal units per hour.
- (h) One (1) hot water heater, identified as EU-PR-WH-02, fired by propane or natural gas, exhausting through stack EP-WH, capacity: 7.0 million British thermal units per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-

1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, and propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour, including:
 - (1) Ten (10) natural gas and propane direct-fired heaters, identified as EU-PR-MAU-1 through 9, where EU-PR-MAU-4 has two heaters, A and B, maximum total capacity: 6.69 million British thermal units per hour.
 - (2) Eighteen (18) natural gas and propane indirect-fired heaters, identified as EU-PR-A/CRTU-2 through 19, exhausting through stacks EP-A/CRTU-2 through 19, respectively, maximum total capacity: 4.28 million British thermal units per hour.
- (b) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. This facility dispenses diesel fuel used by the trucks, using a 500 gallon diesel tank.
- (c) Equipment used exclusively for filling drums, pails or other packaging containers with lubricating oils, waxes and greases.

- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. This is a parts washer using only non-HAP materials. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (e) The following equipment relating to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (f) Closed loop heating and cooling systems.
- (g) Solvent recycling systems with batch capacity less than or equal to 100 gallons.
- (h) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (i) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (j) Filter or coalescer media changeout.
- (k) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (l) The following storage tanks:
 - (1) Two (2) liquid shortening tanks, containing negligible VOCs, capacity: 10,000 gallons each.
 - (2) One (1) soybean oil tank, containing negligible VOC, capacity: 10,000 gallons.
 - (3) One (1) used soybean frying oil tank, capacity: 7,000 gallons.
 - (4) One (1) propane tank.
 - (5) One (1) DAF sludge tank in the waste water area, containing grease or oil from the frying operations, and flour, corn, masa from the general process, in a waste form, and no VOCs, capacity: 30,000 gallons.
 - (6) One (1) wastewater equalization tank, containing no VOCs, capacity: 150,000 gallons.
 - (7) One (1) CO₂ tank.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either
 - (1) incorporated as originally stated,
 - (2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.4 Enforceability [326 IAC 2-8-6]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this

permit, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.13 Emergency Provisions [326 IAC 2-8-12]

-
- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
 - (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the

emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

(h) Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
 - (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management

Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.18 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.19 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-30-3-1] [IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015

Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

- (a) Pursuant to 326 IAC 2-8:
 - (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (PSD) not applicable;
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.
- (c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.
- (d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this

permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;

- (B) Removal or demolition contractor; or
- (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.10 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.11 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and recordkeeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

C.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a temperature, flow rate, or pH level, the instrument employed shall have a scale such that the expected normal reading

shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.

- (c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.
- (d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the source must comply with the applicable requirements of 40 CFR 68.

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

-
- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:
 - (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.
 - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
 - (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
 - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance

monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

- (4) Failure to take reasonable response steps shall be considered a deviation from the permit.

- (c) The Permittee is not required to take any further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Recordkeeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.18 General Recordkeeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

-
- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
 - (b) Unless otherwise specified in this permit, all recordkeeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be based on calendar years.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must

comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Flour silo system

- (a) One (1) flour silo system, constructed in 1994/95, including:
 - (1) Four (4) flour silos, identified as EU-PR-FL-31 through 34, each equipped with a baghouse, identified as CE-FL-31 through 34, respectively, and exhausting to the atmosphere, capacity: 36,000 pounds of flour per hour, each, and 36,000 pounds of flour per hour, total.
 - (2) Two (2) flour sifters, identified as EU-PR-FL-36 and 37, each equipped with a baghouse, identified as CE-FL-36 and 37, and exhausting inside, capacity: 24,000 pounds of flour per hour, each.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flour silo, identified as EU-PR-FL-31, exhausting to baghouse CE-FL-31, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flour silo, identified as EU-PR-FL-32, exhausting to baghouse CE-FL-32, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flour silo, identified as EU-PR-FL-33, exhausting to baghouse CE-FL-33, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour.
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flour silo, identified as EU-PR-FL-34, exhausting to baghouse CE-FL-34, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour.
- (e) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flour sifter, identified as EU-PR-FL-36, exhausting to baghouse CE-FL-36, shall not exceed 21.7 pounds per hour when operating at a process weight rate of 12.0 tons per hour.
- (f) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flour sifter, identified as EU-PR-FL-37, exhausting to baghouse CE-FL-37, shall not exceed 21.7 pounds per hour when operating at a process weight rate of 12.0 tons per hour.

The pounds per hour limitations were calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.1.2 PSD and FESOP Minor Limit [326 IAC 2-2] [326 IAC 2-8-4]

- (a) The potential to emit PM and PM₁₀ from the four (4) flour silos, identified as EU-PR-FL-31 through 34, shall not exceed 0.101 pound per ton of flour input and the flour input shall not exceed 45,896 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the total potential to emit PM and PM₁₀ to 2.31 tons per year from the total of the four (4) silos.
- (b) The potential to emit PM and PM₁₀ from the two (2) flour sifters, identified as EU-PR-FL-36 and 37, shall not exceed 0.0187 pound per ton of flour input and the flour input shall not exceed 45,896 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the total potential to emit PM and PM₁₀ to 0.429 tons per year from the total of the two (2) sifters.

These usage and emission limits, in conjunction with the limitations of Conditions D.2.2, D.3.2, D.4.2, D.5.2 and D.6.2, limit the potential to emit of PM and PM₁₀ from the entire source to 49.7 and 50.0 tons per year, respectively. Thus, the potential to emit PM is less than 250 tons per year and the potential to emit PM₁₀ is less than 100 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 327 IAC 2-7 (Part 70) not applicable.

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and control devices.

Compliance Determination Requirements

D.1.4 Particulate Control

- (a) In order to comply with Condition D.1.2(a), the baghouses (CE-FL-31 through 34) for particulate control shall be in operation and control emissions from the flour silos at all times that the flour silos are in operation.
- (b) In order to comply with Condition D.1.2(b), the baghouses (CE-FL-36 and 37) for particulate control shall be in operation and control emissions from the flour sifters at all times that the flour sifters are in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of the silo baghouses (CE-FL-31 through 34) exhausts shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the sifter baghouses (CE-FL-36 and 37) exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (c) For processes operated continuously, "normal" means those conditions prevailing, or

expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

- (d) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

- (e) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (f) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (CE-FL-31 through 34, 36 and 37) used in conjunction with the four (4) flour silos and two (2) flour sifters, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.7 Baghouse Inspections

- (a) An inspection shall be performed each calendar quarter of all bags controlling the four (4) flour silos. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (b) An inspection shall be performed each calendar quarter of all bags controlling the two (2) flour sifters when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.1.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions

taken up to the time of notification.

- (b) For single compartment baghouses, if failure is indicated by a significant drop in the bag-house's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.9 Record Keeping Requirements

- (a) To document compliance with Condition D.1.2(a), the Permittee shall maintain monthly records of the total amount (in tons) of flour input to the four (4) silos.
- (b) To document compliance with Condition D.1.2(b), the Permittee shall maintain monthly records of the total amount (in tons) of flour input to the two (2) sifters.
- (c) To document compliance with Condition D.1.5(a), the Permittee shall maintain records of visible emission notations of the four (4) flour silo baghouse exhausts once per shift.
- (d) To document compliance with Condition D.1.5(b), the Permittee shall maintain records of visible emission notations of the two (2) flour sifter baghouse exhausts once per shift when exhausting to the atmosphere.
- (e) To document compliance with Condition D.1.6, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation when venting to the atmosphere.
- (f) To document compliance with Condition D.1.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (g) To document compliance with Condition D.1.7, the Permittee shall maintain records of the results of the inspections required under Condition D.1.7 and the dates the vents are re-directed.
- (h) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Tortilla production process

- (b) One (1) tortilla production process, constructed in 1994/95, producing a maximum of 14,880 pounds of tortillas per hour, including:
- (1) One (1) tortilla flour usebin, identified as EU-PR-FL-35, equipped with a baghouse, identified as CE-FL-35, and exhausting inside, input capacity: 24,000 pounds of flour per hour.
 - (2) Three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, equipped with a baghouse, identified as CE-FL-35, and exhausting inside, capacity: 15,000 pounds of flour per hour, total.
 - (3) Three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, equipped with filters, identified as CE-TO-09 through 11, respectively, and exhausting inside, capacity: 3,472 pounds of raw materials, excluding water, per hour, each.
 - (4) Six (6) sets of pressed tortilla forming equipment.
 - (5) Six (6) propane and natural gas-fired tortilla ovens, identified as EU-PR-TO-02 through 07 (EU-PR-TO-07 was constructed in 2001), each with a heat input capacity of 1.5 million British thermal units per hour, and exhausting through stacks EP-TO-2 through 7, respectively.
 - (6) Tortilla cooling, packing and shipping.
 - (7) One (1) tortilla minor ingredients system consisting of:
 - (A) Thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, exhausting inside, input capacity: 1,000 pounds per hour, total.
 - (B) Two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, exhausting inside, capacity: 1,000 pounds per hour, each.
 - (C) Three (3) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-36 through 38, each equipped with a baghouse, identified as CE-TMI-36 through 38, respectively, and exhausting inside, capacity: 12,000 pounds per hour, each.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tortilla flour usebin, identified as EU-PR-FL-35, and the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, all exhausting to baghouse CE-FL-35, shall not exceed 30.0 pounds per hour when operating at a total process weight rate of 19.5 tons per hour (24,000 pounds per hour at the usebin and 15,000 pounds per hour at the scale hoppers, total).

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tortilla mixer, identified as EU-PR-TO-09, shall not exceed 5.93 pounds per hour, when operating at a process weight rate of 1.736 tons per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tortilla mixer, identified as EU-PR-TO-10, shall not exceed 5.93 pounds per hour, when operating at a process weight rate of 1.736 tons per hour.
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tortilla mixer, identified as EU-PR-TO-11, shall not exceed 5.93 pounds per hour, when operating at a process weight rate of 1.736 tons per hour.
- (e) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tortilla minor ingredients scale hopper, identified as EU-PR-TMI-36, shall not exceed 13.6 pounds per hour when operating at a process weight rate of 6.0 tons per hour.
- (f) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tortilla minor ingredients scale hopper, identified as EU-PR-TMI-37, shall not exceed 13.6 pounds per hour when operating at a process weight rate of 6.0 tons per hour.
- (g) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tortilla minor ingredients scale hopper, identified as EU-PR-TMI-38, shall not exceed 13.6 pounds per hour when operating at a process weight rate of 6.0 tons per hour.
- (h) Any change or modification that increases the unrestricted potential to emit particulate from the thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, or the six (6) propane and natural gas-fired tortilla ovens, identified as EU-PR-TO-02 through 07, to 0.551 pounds per hour or more, shall cause that facility to become subject to 326 IAC 6-3-2 and shall require prior IDEM, OAQ, approval.

The pounds per hour limitations in (a) through (g) were calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.2.2 PSD and FESOP Minor Limit [326 IAC 2-2] [326 IAC 2-8-4]

- (a) The potential to emit PM and PM₁₀ from the one (1) tortilla flour usebin, identified as EU-PR-FL-35, and the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, all exhausting to baghouse CE-FL-35, shall not exceed 0.203 pound per ton of flour input. The flour input to the usebin shall not exceed 37,531 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, and the flour input to the three (3) tortilla scale hoppers shall not exceed 37,531 tons per twelve (12) consecutive month

period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 3.82 tons per year from the usebin, 3.82 tons per year from the total of the three (3) scale hoppers, and 7.64 tons per year, total.

- (b) The potential to emit PM and PM₁₀ from the three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, shall not exceed 0.484 pound per ton of raw materials, excluding water, input and the raw materials, excluding water, input shall not exceed 45,622 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 11.0 tons per year.
- (c) The potential to emit PM and PM₁₀ from the thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, shall not exceed 0.087 pound per ton of ingredients input and the ingredients input shall not exceed 1,317 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.057 tons per year.
- (d) The potential to emit PM and PM₁₀ from the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, shall not exceed 0.087 pound per ton of ingredients input and the ingredients input shall not exceed 3,284 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.143 tons per year.
- (e) The potential to emit PM and PM₁₀ from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-36, shall not exceed 0.603 pound per ton of ingredients input and the ingredients input shall not exceed 1,095 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.330 tons per year.
- (f) The potential to emit PM and PM₁₀ from the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-37 and 38, shall not exceed 0.604 pound per ton of ingredients input and the ingredients input shall not exceed 2,189 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.661 tons per year.

These usage and emission limits, in conjunction with the limitations of Conditions D.1.2, D.3.2, D.4.2, D.5.2 and D.6.2, limit the potential to emit of PM and PM₁₀ from the entire source to 49.7 and 50.0 tons per year, respectively. Thus, the potential to emit PM is less than 250 tons per year and the potential to emit PM₁₀ is less than 100 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 327 IAC 2-7 (Part 70) not applicable.

D.2.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the one (1) tortilla flour usebin (EU-PR-FL-35), three (3) tortilla scale hoppers (EU-PR-FL-38 through 40), three (3) tortilla mixers (EU-PR-TO-09 through 11), thirty-eight (38) tortilla minor ingredient usebins (EU-PR-TMI-40 through 77), and six (6) tortilla minor ingredient scale hoppers (EU-PR-TMI-78 and 79 and EU-PR-TMI-36 through 38) and their control devices.

Compliance Determination Requirements

D.2.4 Particulate Control

- (a) In order to comply with Conditions D.2.1(a) and D.2.2(a), the baghouse (CE-FL-35) for particulate control shall be in operation and control emissions from one (1) tortilla flour usebin,

identified as EU-PR-FL-35, and the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, at all times that the one (1) tortilla flour usebin or three (3) tortilla scale hoppers is/are in operation.

- (b) In order to comply with Condition D.2.2(b), the filters (CE-TMI-09 through 11) for particulate control shall be in operation and control emissions from the three (3) tortilla mixers (EU-PR-TO-09 through 11) at all times that the mixers are in operation.
- (c) In order to comply with Condition D.2.2(e), the baghouse (CE-TMI-36) for particulate control shall be in operation and control emissions from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-36, at all times that the one (1) tortilla minor ingredient scale hopper is in operation.
- (d) In order to comply with Condition D.2.2(f), the baghouse (CE-TMI-37) for particulate control shall be in operation and control emissions from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-37, at all times that the one (1) tortilla minor ingredient scale hopper is in operation.
- (e) In order to comply with Condition D.2.2(f), the baghouse (CE-TMI-38) for particulate control shall be in operation and control emissions from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-38, at all times that the one (1) tortilla minor ingredient scale hopper is in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.5 Visible Emissions Notations

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- (a) Visible emission notations of the one (1) tortilla flour usebin (EU-PR-FL-35) and the three (3) tortilla scale hoppers (EU-PR-FL-38 through 40) baghouse (CE-FL-35) exhaust; three (3) tortilla mixers (EU-PR-TO-09 through 11) filters (CE-TMI-09 through 11) exhausts; thirty-eight (38) tortilla minor ingredient usebins (EU-PR-TMI-40 through 77) exhausts; three (3) tortilla minor ingredient scale hoppers (EU-PR-TMI-78 and 79) exhausts; and three (3) tortilla minor ingredient scale hopper (EU-PR-TMI-36 through 38) baghouse (CE-TMI-36 through 38) exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
 - (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
 - (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
 - (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
 - (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.2.6 Parametric Monitoring

- (a) The Permittee shall record the total static pressure drop across the baghouse (CE-FL-35) used in conjunction with the one (1) tortilla flour usebin, identified as EU-PR-FL-35, and the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (b) The Permittee shall record the total static pressure drop across the baghouses (CE-TMI-36 through 38) used in conjunction with the three (3) tortilla minor ingredients scale hoppers, identified as EU-PR-TMI-36 through 38, respectively, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.2.7 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the one (1) tortilla flour usebin, identified as EU-PR-FL-35, three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, and three (3) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-36 through 38, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.2.8 Filter Inspections

An inspection shall be performed each calendar quarter of all filters controlling the three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced

D.2.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an

opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.2.10 Filter Failure Detection

In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.11 Record Keeping Requirements

- (a) To document compliance with Condition D.2.2(a), the Permittee shall maintain monthly records of the amount (in tons) of flour input to the one (1) tortilla flour usebin, identified as EU-PR-FL-35, and the total amount (in tons) of flour input to the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40.
- (b) To document compliance with Condition D.2.2(b), the Permittee shall maintain monthly records of the total amount (in tons) of raw materials, excluding water, input to the three (3) tortilla mixers, identified as EU-PR-TO-09 through 11.
- (c) To document compliance with Condition D.2.2(c), the Permittee shall maintain monthly records of the total amount (in tons) of ingredients input to the three thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77.
- (d) To document compliance with Condition D.2.2(d), the Permittee shall maintain monthly records of the total amount (in tons) of ingredients input to the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79.
- (e) To document compliance with Condition D.2.2(e), the Permittee shall maintain monthly records of the amount (in tons) of ingredients input to the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-36.
- (f) To document compliance with Condition D.2.2(f), the Permittee shall maintain monthly records of the total amount (in tons) of ingredients input to the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-37 and 38.
- (g) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of the one (1) tortilla flour usebin (EU-PR-FL-35) and the three (3) tortilla scale hoppers (EU-PR-FL-38 through 40) baghouse (CE-FL-35) exhaust, three (3) tortilla mixers (EU-PR-TO-09 through 11) filters (CE-TMI-09 through 11) exhausts, thirty-eight (38) tortilla minor ingredient usebins (EU-PR-TMI-40 through 77) exhausts, three (3) tortilla minor ingredient scale hoppers (EU-PR-TMI-78 and 79) exhausts, and three (3) tortilla minor ingredient scale hoppers (EU-PR-TMI-36 through 38) baghouse (CE-TMI-36 through 38) exhausts once per shift when exhausting to the atmosphere.

- (h) To document compliance with Condition D.2.6, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation when venting to the atmosphere.
- (i) To document compliance with Condition D.2.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

- (j) To document compliance with Conditions D.2.7 and D.2.8, the Permittee shall maintain records of the results of the inspections required under Conditions D.2.7 and D.2.8 and the dates the vents are redirected.
- (k) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.12 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Flatbread production process

- (c) One (1) flatbread production process, constructed in 1998, producing a maximum of 3,750 pounds of flatbread per hour, including:
- (1) One (1) flatbread flour usebin, identified as EU-PR-FB-30, equipped with a baghouse, identified as CE-FB-30, and exhausting inside, capacity: 24,000 pounds of flour per hour.
 - (2) One (1) flatbread scale hopper, identified as EU-FB-31, equipped with a baghouse, identified as CE-FB-30, and exhausting inside, capacity: 15,000 pounds of flour per hour.
 - (3) One (1) flatbread mixer, identified as EU-PR-FB-32, equipped with a filter, identified as CE-FB-32, and exhausting inside, capacity: 2,496 pounds of raw materials, excluding water, per hour.
 - (4) One (1) set of flatbread forming equipment.
 - (5) One (1) propane and natural gas-fired flatbread oven, identified as EU-PR-FB-28, with a heat input capacity of 1.5 million British thermal units per hour, and exhausting through stacks EP-FB-09-01 and EP-FB-09-02, capacity: 3,750 pounds of flatbread per hour.
 - (6) Flatbread cooling, packing and shipping.
 - (7) One (1) flatbread minor ingredients system consisting of:
 - (A) One (1) flatbread minor ingredient hand dump hopper, identified as EU-PR-FBM-01, equipped with a baghouse, identified as CE-FBM-02, and exhausting inside, capacity: 1,000 pounds per hour.
 - (B) One (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, equipped with a baghouse, identified as CE-FBM-02, and exhausting inside, input capacity: 1,000 pounds per hour.
 - (C) One (1) flatbread minor ingredient scale hopper, identified as EU-FBM-03, equipped with a filter, identified as CE-FBM-03, and exhausting inside, capacity: 15,000 pounds per hour.
 - (D) One (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, equipped with a baghouse, identified as CE-FBM-04, and exhausting inside, capacity: 15,000 pounds per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flatbread flour usebin, identified as EU-

PR-FB-30, and the one (1) flatbread flour scale hopper, identified as EU-PR-FB-31, both exhausting to baghouse CE-FB-30, shall not exceed 30.0 pounds per hour when operating at a total process weight rate of 19.5 tons per hour (24,000 pounds per hour at the usebin and 15,000 pounds per hour at the scale hopper).

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flatbread mixer, identified as EU-PR-FB-32, shall not exceed 4.76 pounds per hour when operating at a total process weight rate of 1.25 tons per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01, and the one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, both exhausting to baghouse CE-FBM-02, shall not exceed 4.10 pounds per hour when operating at a total process weight rate of 1.0 ton per hour (1,000 pounds per hour at the hand dumper and 1,000 pounds per hour at the usebin).
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, shall not exceed 15.8 pounds per hour when operating at a process weight rate of 7.5 tons per hour.
- (e) Any change or modification that increases the unrestricted potential to emit particulate from the one (1) flatbread minor ingredients scale hopper, identified as EU-FBM-03, or the one (1) propane and natural gas-fired flatbread oven, identified as EU-PR-FB-28, to 0.551 pounds per hour or more, shall cause that facility to become subject to 326 IAC 6-3-2 and shall require prior IDEM, OAQ, approval.

The pounds per hour limitations in (a) through (d) were calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.3.2 PSD and FESOP Minor Limit [326 IAC 2-2] [326 IAC 2-8-4]

- (a) The potential to emit PM and PM₁₀ from the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread scale hopper, identified as EU-PR-FB-31, both exhausting to baghouse CE-FB-30, shall not exceed 0.0543 pound per ton of flour input and the flour input to each facility shall not exceed 8,365 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.227 tons per year from each facility, and 0.454 tons per year, total.
- (b) The potential to emit PM and PM₁₀ from the one (1) flatbread mixer, identified as EU-PR-FB-32, shall not exceed 0.484 pound per ton of raw materials, excluding water, input and the raw materials, excluding water, input shall not exceed 10,931 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 2.65 tons per year.
- (c) The potential to emit PM and PM₁₀ from the one (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01, and one (1) flatbread minor ingredient usebin, identified as EU-

PR-FBM-02, both exhausting to baghouse CE-FBM-02, shall not exceed 0.710 pound per ton of ingredients input and the ingredients input to each facility shall not exceed 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.227 tons per year from each facility, and 0.454 tons per year, total.

- (d) The potential to emit PM and PM₁₀ from the one (1) flatbread minor ingredient scale hopper, identified as EU-FBM-03, shall not exceed 0.452 pound per ton of ingredients input and the ingredients input shall not exceed 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.145 tons per year.
- (e) The potential to emit PM and PM₁₀ from the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, shall not exceed 0.452 pound per ton of ingredients input and the ingredients input shall not exceed 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.145 tons per year.

These usage and emission limits, in conjunction with the limitations of Conditions D.1.2, D.2.2, D.4.2, D.5.2 and D.6.2, limit the potential to emit of PM and PM₁₀ from the entire source to 49.7 and 50.0 tons per year, respectively. Thus, the potential to emit PM is less than 250 tons per year and the potential to emit PM₁₀ is less than 100 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 327 IAC 2-7 (Part 70) not applicable.

D.3.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the one (1) flatbread flour usebin (EU-PR-FB-30), one (1) flatbread scale hopper (EU-PR-FB-31), one (1) flatbread mixer (EU-PR-FB-32), one (1) flatbread minor ingredient hand dump mixer (EU-PR-FMB-01), one (1) flatbread minor ingredient usebin (EU-PR-FBM-02), one (1) flatbread minor ingredient scale hopper (EU-FBM-03) and one (1) flatbread minor ingredient pre-mix hopper (EU-FBM-04) and their control devices.

Compliance Determination Requirements

D.3.4 Particulate Control

- (a) In order to comply with Condition D.3.2(a), the baghouse (CE-FB-30) for particulate control shall be in operation and control emissions from one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread scale hopper, identified as EU-PR-FB-31, at all times that the one (1) flatbread flour usebin or the one (1) flatbread scale hopper is in operation.
- (b) In order to comply with Condition D.3.2(b), the filter (CE-FB-32) for particulate control shall be in operation and control emissions from the one (1) flatbread mixer (EU-PR-FB-32) at all times that the one (1) mixer is in operation.
- (c) In order to comply with Conditions D.3.1(c) and D.3.2(c), the baghouse (CE-FBM-02) for particulate control shall be in operation and control emissions from the one (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01, and one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, at all times that the one (1) flatbread minor ingredients hand dumper or the one (1) flatbread minor ingredient usebin is in operation.
- (d) In order to comply with Condition D.3.2(d), the filter (CE-FBM-03) for particulate control shall be in operation and control emissions from the one (1) flatbread minor ingredient scale hopper,

identified as EU-FBM-03, at all times that the one (1) flatbread minor ingredients scale hopper is in operation.

- (e) In order to comply with Condition D.3.2(e), the baghouse (CE-FBM-04) for particulate control shall be in operation and control emissions from the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, at all times that the one (1) tortilla minor ingredient pre-mix hopper is in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.3.5 Visible Emissions Notations

- (a) Visible emission notations of the one (1) flatbread flour usebin (EU-PR-FB-30) and one (1) flatbread scale hopper (EU-PR-FB-31) baghouse (CE-FB-30) exhaust; the one (1) flatbread mixer (EU-PR-FB-32) filter (CE-FB-32) exhaust; the one (1) flatbread minor ingredient hand dump mixer (EU-PR-FMB-01) and one (1) flatbread minor ingredient usebin (EU-PR-FBM-02) baghouse (CE-FBM-02) exhaust; the one (1) flatbread minor ingredients scale hopper (EU-FBM-03) filter (CE-FBM-03) exhaust; and the one (1) flatbread minor ingredients pre-mix hopper (EU-FBM-04) baghouse (CE-FBM-04) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.3.6 Parametric Monitoring

- (a) The Permittee shall record the total static pressure drop across the baghouse (CE-FB-30) used in conjunction with the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread scale hopper, identified as EU-PR-FB-31, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (b) The Permittee shall record the total static pressure drop across the baghouse (CE-FBM-02) used in conjunction with the one (1) flatbread minor ingredient hand dump hopper, identified as EU-PR-FBM-01, and one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance

Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (c) The Permittee shall record the total static pressure drop across the baghouse (CE-FBM-04) used in conjunction with the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, at least once per shift when the process exhausting to the baghouse is in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.3.7 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the one (1) flatbread flour usebin, identified as EU-PR-FB-30, one (1) flatbread scale hopper, identified as EU-PR-FB-31, one (1) flatbread minor ingredient hand dump hopper, identified as EU-PR-FBM-01, one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, and one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.3.8 Filter Inspections

An inspection shall be performed each calendar quarter of all filters controlling the one (1) flatbread mixer, identified as EU-PR-FB-32, and the one (1) flatbread minor ingredients scale hopper, identified as EU-FBM-03, when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced.

D.3.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

- (b) For single compartment baghouses, if failure is indicated by a significant drop in the bag-house's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.3.10 Filter Failure Detection

In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.11 Record Keeping Requirements

- (a) To document compliance with Condition D.3.2(a), the Permittee shall maintain monthly records of the amount (in tons) of flour input to the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the amount (in tons) of flour input to the one (1) flatbread scale hopper, identified as EU-PR-FB-31.
- (b) To document compliance with Condition D.3.2(b), the Permittee shall maintain monthly records of the amount (in tons) of raw materials, excluding water, input to the one (1) flatbread mixer, identified as EU-PR-FB-32.
- (c) To document compliance with Condition D.3.2(c), the Permittee shall maintain monthly records of the amount (in tons) of ingredients input to the one (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01, and the amount (in tons) of ingredients input to the one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02.
- (d) To document compliance with Condition D.3.2(d), the Permittee shall maintain monthly records of the amount (in tons) of ingredients input to the one (1) flatbread minor ingredient scale hopper, identified as EU-FBM-03.
- (e) To document compliance with Condition D.3.2(e), the Permittee shall maintain monthly records of the amount (in tons) of ingredients input to the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04.
- (f) To document compliance with Condition D.3.5, the Permittee shall maintain records of visible emission notations of the one (1) flatbread flour usebin (EU-PR-FB-30) and one (1) flatbread scale hopper (EU-PR-FB-31) baghouse (CE-FB-30) exhaust; the one (1) flatbread mixer (EU-PR-FB-32) filter (CE-FB-32) exhaust; the one (1) flatbread minor ingredient hand dump mixer (EU-PR-FBM-01) and one (1) flatbread minor ingredient usebin (EU-PR-FBM-02) baghouse (CE-FBM-02) exhaust; the one (1) flatbread minor ingredients scale hopper (EU-FBM-03) filter (CE-FBM-03) exhaust; and the one (1) flatbread minor ingredients pre-mix hopper (EU-FBM-04) baghouse (CE-FBM-04) exhaust once per shift when exhausting to the atmosphere.
- (g) To document compliance with Condition D.3.6, the Permittee shall maintain records once per

shift of the total static pressure drop during normal operation when venting to the atmosphere.

- (h) To document compliance with Condition D.3.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

- (i) To document compliance with Conditions D.3.7 and D.3.8, the Permittee shall maintain records of the results of the inspections required under Conditions D.3.7 and D.3.8 and the dates the vents are redirected.
- (j) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.12 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.3.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.4

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Taco shell production process

- (d) One (1) taco shell production process, constructed in 1994/95, producing a maximum of 3,240 pounds of taco shells per hour, including:
- (1) One (1) primary masa usebin (including two (2) masa totes), identified as EU-PR-MA-45, equipped with a baghouse, identified as CE-MA-45, and exhausting inside, input capacity: 9,000 pounds of masa per hour, total.
 - (2) One (1) primary masa scale hopper, identified as EU-PR-MA-53, constructed in 2003, venting to the usebin which is equipped with a baghouse, identified as CE-MA-45, and exhausting inside, input capacity: 12,000 pounds of masa per hour.
 - (3) One (1) taco shell mixer, identified as EU-PR-MA-52, constructed in 2003, equipped with a filter, identified as CE-MA-52, and exhausting inside, capacity: 1,547 pounds of raw materials, excluding water, per hour.
 - (4) Three (3) natural gas and propane-fired taco shell ovens, identified as EU-PR-TS-19, EU-PR-TS-22 and EU-PR-TS-25, each with a heat input capacity of 3.9 million British thermal units per hour, and exhausting through stacks EP-TSO-3-1 and 2, EP-TSO-4-1 and 2, and EP-TSO-5-1 and 2, respectively.
 - (5) Three (3) taco shell fryers, identified as EU-PR-TS-20, EU-PR-TS-23 and EU-PR-TS-26, each equipped with a propane or natural gas-fired heat exchanger with a heat input capacity of 2.1 million British thermal units per hour, and exhausting through stacks EP-TSF-3, 4 and 5, with the heat exchangers exhausting through stacks EP-TSHE-3 through 5, respectively, capacity: 1,080 pounds per hour, each.
 - (6) Taco shell cooling, packing and shipping.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.4.1 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the two (2) masa totes and one (1) primary masa usebin, identified as EU-PR-MA-45, and the one (1) primary masa scale hopper, identified as EU-PR-MA-53, all exhausting to baghouse CE-MA-45, shall not exceed 19.8 pounds per hour when operating at a total process weight rate of 10.5 tons per hour (9,000 pounds per hour at the usebin and 12,000 pounds per hour at the scale hopper).
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26, shall not exceed 5.66 pounds per hour, total, when operating at a process weight rate of 1.62 tons per hour, total.
- (c) Any change or modification that increases the unrestricted potential to emit particulate from

the one (1) taco shell mixer, identified as EU-PR-MA-52, or the three (3) natural gas and propane-fired taco shell ovens, identified as EU-PR-TS-19, EU-PR-TS-22 and EU-PR-TS-25 to 0.551 pounds per hour or more, shall cause that facility to become subject to 326 IAC 6-3-2 and shall require prior IDEM, OAQ, approval.

The pounds per hour limitations in (a) and (b) were calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.4.2 PSD and FESOP Minor Limit [326 IAC 2-2] [326 IAC 2-8-4]

- (a) The potential to emit PM and PM₁₀ from the one (1) primary masa usebin, identified as EU-PR-MA-45, and one (1) primary masa scale hopper, identified as EU-PR-MA-53, both exhausting to baghouse CE-MA-45, shall not exceed 0.136 pound per ton of masa input and the masa input to the one (1) primary masa usebin and one (1) primary masa scale hopper shall each not exceed 2,227 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.151 tons per year from each facility, and 0.302 tons per year, total.
- (b) The potential to emit PM and PM₁₀ from the one (1) taco shell mixer, identified as EU-PR-MA-52, shall not exceed 0.040 pound per ton of raw materials, excluding water, input and the raw materials, excluding water, input shall not exceed 2,261 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.045 tons per year.
- (c) The potential to emit PM and PM₁₀ from the three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26, shall not exceed 0.8 pound per ton of taco shells input and the taco shell input shall not exceed 14,190 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 5.68 tons per year.

These usage and emission limits, in conjunction with the limitations of Conditions D.1.2, D.2.2, D.3.2, D.5.2 and D.6.2, limit the potential to emit of PM and PM₁₀ from the entire source to 49.7 and 50.0 tons per year, respectively. Thus, the potential to emit PM is less than 250 tons per year and the potential to emit PM₁₀ is less than 100 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 327 IAC 2-7 (Part 70) not applicable.

D.4.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the one (1) primary masa usebin (EU-PR-MA-45), one (1) primary masa scale hopper (EU-PR-MA-53), one (1) taco shell mixer (EU-PR-MA-52), and three (3) taco shell fryers (EU-PR-TS-20, 23 and 26) and their control devices.

Compliance Determination Requirements

D.4.4 Particulate Control

- (a) In order to comply with Condition D.4.2(a), the baghouse (CE-MA-45) for particulate control shall be in operation and control emissions from the one (1) primary masa usebin, identified as EU-PR-MA-45, and one (1) primary masa scale hopper, identified as EU-PR-MA-53, at all

times that the one (1) primary masa usebin or the one (1) primary masa scale hopper is in operation.

- (b) In order to comply with Condition D.4.2(b), the filter (CE-MA-52) for particulate control shall be in operation and control emissions from the one (1) taco shell mixer, identified as EU-PR-MA-52, at all times that the one (1) mixer is in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.4.5 Visible Emissions Notations

- (a) Visible emission notations of the one (1) primary masa usebin (EU-PR-MA-45) and one (1) primary masa scale hopper (EU-PR-MA-53) baghouse (CE-MA-45) exhaust and the one (1) taco shell mixer (EU-PR-MA-52) filter (CE-MA-52) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the three (3) taco shell fryers (EU-PR-TS-20, 23 and 26) stack (EP-TSF-3, 4 and 5) exhausts shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (c) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (d) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (e) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (f) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.4.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (CE-MA-45) used in conjunction with the one (1) primary masa usebin, identified as EU-PR-MA-45, and the one (1) primary masa scale hopper, identified as EU-PR-MA-53, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.4.7 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the one (1) primary masa usebin, identified as EU-PR-MA-45 and the one (1) primary masa scale hopper, identified as EU-PR-MA-53, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.4.8 Filter Inspections

An inspection shall be performed each calendar quarter of all filters controlling the one (1) taco shell mixer, identified as EU-PR-MA-52, when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced.

D.4.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the bag-house's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.4.10 Filter Failure Detection

In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.4.11 Record Keeping Requirements

- (a) To document compliance with Condition D.4.2(a), the Permittee shall maintain monthly records of the amount (in tons) of masa input to the one (1) primary masa usebin, identified as EU-PR-MA-45, and amount (in tons) of masa input to the one (1) primary masa scale hopper, identified as EU-PR-MA-53.
- (b) To document compliance with Condition D.4.2(b), the Permittee shall maintain monthly records of the amount (in tons) of raw materials, excluding water, input to the one (1) taco

shell mixer.

- (c) To document compliance with Condition D.4.2(c), the Permittee shall maintain monthly records of the total amount (in tons) of taco shells input to the three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26.
- (d) To document compliance with Condition D.4.5(a), the Permittee shall maintain records of visible emission notations of the one (1) primary masa usebin (EU-PR-MA-45) and the one (1) primary masa scale hopper (EU-PR-MA-53) baghouse (CE-MA-45) exhaust and the one (1) taco shell mixer (EU-PR-MA-52) filter (CE-MA-52) exhaust once per shift when exhausting to the atmosphere.
- (e) To document compliance with Condition D.4.5(b), the Permittee shall maintain records of visible emission notations of the three (3) taco shell fryers (EU-PR-TS-20, 23 and 26) stack (EP-TSF-3, 4 and 5) exhausts once per shift.
- (f) To document compliance with Condition D.4.6, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation when venting to the atmosphere.
- (g) To document compliance with Condition D.4.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (h) To document compliance with Conditions D.4.7 and D.4.8, the Permittee shall maintain records of the results of the inspections required under Conditions D.4.7 and D.4.8 and the dates the vents are redirected.
- (i) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.4.12 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.5

FACILITY CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Whole corn chip production process

- (e) One (1) whole corn chip production process, constructed in 1994/95, producing a maximum of 2,100 pounds of corn chips per hour, including:
- (1) One (1) whole corn truck unloading station, identified as EU-PR-CR-39, equipped with a baghouse identified as CE-CR-39 and exhausting through stack EP-39, capacity: 30,000 pounds of corn per hour.
 - (2) Two (2) whole corn silos, identified as EU-PR-CR-40 and 41, each equipped with a baghouse, identified as CE-CR-40 and 41, respectively, and exhausting through stacks EP-40 and 41, respectively, capacity: 30,000 pounds of corn per hour, each, and 30,000 pounds of corn per hour, total.
 - (3) One (1) whole corn scale hopper, identified as EU-PR-CR-42, equipped with a baghouse, identified as CE-CR-42, and exhausting inside, capacity: 9,000 pounds of corn per hour.
 - (4) Two (2) corn cooking kettles, capacity: 2,121 pounds of raw materials per hour, total.
 - (5) One (1) whole corn transfer tank, capacity: 2,100 pounds per hour.
 - (6) Twelve (12) whole corn holding tanks, capacity: 2,100 pounds per hour, total.
 - (7) One (1) wet corn grinder, capacity: 2,100 pounds per hour.
 - (8) One (1) natural gas and propane-fired chip oven, identified as EU-PR-CL-13, with a heat input capacity of 3.2 million British thermal units per hour, and exhausting through stack EP-CL-02-01/02.
 - (9) One (1) chip fryer, identified as EU-PR-CLF-2, equipped with a propane or natural gas-fired heat exchanger with a heat input capacity of 2.9 million British thermal units per hour, and exhausting through stack EP-CLF2, with the heat exchanger exhausting through stack EP-CLHE-2, capacity: 2,100 pounds per hour.
 - (10) One (1) chip conveyor, identified as EU-CLAC-2, exhausting to stack EP-CLAC-2, capacity: 2,100 pounds per hour.
 - (11) One (1) salt tumbler.
 - (12) Corn chip packing and shipping.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.5.1 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) whole corn truck unloading station,

identified as EU-PR-CR-39, shall not exceed 25.2 pounds per hour when operating at a process weight rate of 15.0 tons per hour.

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) whole corn silo, identified as EU-PR-CR-40, shall not exceed 25.2 pounds per hour when operating at a process weight rate of 15.0 tons per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) whole corn silo, identified as EU-PR-CR-41, shall not exceed 25.2 pounds per hour when operating at a process weight rate of 15.0 tons per hour.
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) whole corn scale hopper, identified as EU-PR-CR-42, shall not exceed 11.2 pounds per hour when operating at a process weight rate of 4.5 tons per hour.
- (e) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) corn chip fryer, identified as EU-PR-CLF-2, shall not exceed 4.24 pounds per hour, when operating at a process weight rate of 1.05 tons per hour.
- (f) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) corn chip conveyor, identified as EU-PR-CLAC-2, shall not exceed 4.24 pounds per hour, when operating at a process weight rate of 1.05 tons per hour.
- (g) Any change or modification that increases the unrestricted potential to emit particulate from the two (2) corn cooking kettles, one (1) whole corn transfer tank, twelve (12) whole corn holding tanks, one (1) wet corn grinder or one (1) natural gas and propane-fired chip oven, identified as EU-PR-CL-13, to 0.551 pounds per hour or more, shall cause that facility to become subject to 326 IAC 6-3-2 and shall require prior IDEM, OAQ, approval.

The pounds per hour limitations in (a) through (f) were calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.5.2 PSD and FESOP Minor Limit [326 IAC 2-2] [326 IAC 2-8-4]

- (a) The potential to emit PM and PM₁₀ from the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, shall not exceed 0.233 pound per ton of whole corn and the whole corn input shall not exceed 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 1.07 tons per year.
- (b) The potential to emit PM and PM₁₀ from the two (2) whole corn silos, identified as EU-PR-CR-40 and 41, shall not exceed 0.273 pound per ton of corn input and the corn input shall not exceed 9,198 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 1.26 tons per year.

- (c) The potential to emit PM and PM₁₀ from the one (1) whole corn scale hopper, identified as EU-PR-CR-42, shall not exceed 0.054 pound per ton of whole corn and the whole corn input shall not exceed 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.248 tons per year.
- (d) The potential to emit PM and PM₁₀ from the one (1) chip fryer, identified as EU-PR-CLF-2, shall not exceed 0.8 pound per ton of chips input and the chip input shall not exceed 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 3.68 tons per year.
- (e) The potential to emit PM and PM₁₀ from the one (1) chip conveyor, identified as EU-PR-CLAC-2, shall not exceed 0.8 pound per ton of chips input and the chip input shall not exceed 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 3.68 tons per year.

These usage and emission limits, in conjunction with the limitations of Conditions D.1.2, D.2.2, D.3.2 D.4.2, and D.6.2, limit the potential to emit of PM and PM₁₀ from the entire source to 49.7 and 50.0 tons per year, respectively. Thus, the potential to emit PM is less than 250 tons per year and the potential to emit PM₁₀ is less than 100 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 327 IAC 2-7 (Part 70) not applicable.

D.5.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the one (1) whole corn truck unloading station (EU-PR-CR-39), two (2) whole corn silos (EU-PR-CR-40 and 41), one (1) whole corn scale hopper (EU-PR-CR-42), one (1) chip fryer (EU-PR-CLF-2) and one (1) chip conveyor (EU-CLAC-2) and their control devices.

Compliance Determination Requirements

D.5.4 Particulate Control

- (a) In order to comply with Conditions D.5.1(a) and D.5.2(a), the baghouse (CE-CR-39) for particulate control shall be in operation and control emissions from one (1) whole corn truck unloading station, identified as EU-PR-CR-39, at all times that the one (1) whole corn truck unloading station is in operation.
- (b) In order to comply with Condition D.5.2(b), the baghouse (CE-CR-40) for particulate control shall be in operation and control emissions from the one (1) whole corn silo (EU-PR-CR-40) at all times that the one (1) whole corn silo is in operation.
- (c) In order to comply with Condition D.5.2(b), the baghouse (CE-CR-41) for particulate control shall be in operation and control emissions from the one (1) whole corn silo (EU-PR-CR-41) at all times that the one (1) whole corn silo is in operation.
- (d) In order to comply with Condition D.5.2(c), the baghouse (CE-CR-42) for particulate control shall be in operation and control emissions from the one (1) whole corn scale hopper, identified as EU-PR-CR-42, at all times that the one (1) whole corn scale hopper is in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.5.5 Visible Emissions Notations

- (a) Visible emission notations of the one (1) whole corn truck unloading station (EU-PR-CR-39)

baghouse (CE-CR-39) stack (EP-39) exhaust, the two (2) whole corn silos (EU-PR-CR-40 and 41) baghouse (CE-CR-40 and 41) stack (EP-40 and 41) exhausts, the one (1) chip fryer (EU-PR-CLF-2) stack (EP-CLF2) exhaust and the one (1) chip conveyor (EU-CLAC-2) stack (EP-CLAC-2) exhaust shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (b) Visible emission notations of the one (1) whole corn scale hopper (EU-PR-CR-42) baghouse (CE-CR-42) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (c) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (d) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (e) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (f) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.5.6 Parametric Monitoring

- (a) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-39) used in conjunction with the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, at least once per shift. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (b) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-40) used in conjunction with the one (1) whole corn silo, identified as EU-PR-CR-40, at least once per shift. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (c) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-41) used in conjunction with the one (1) whole corn silo, identified as EU-PR-CR-41, at least once per shift. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -

Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (d) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-42) used in conjunction with the one (1) whole corn scale hopper, identified as EU-PR-CR-42, at least once per shift when the process exhausting to the baghouse is in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.5.7 Baghouse Inspections

- (a) An inspection shall be performed each calendar quarter of all bags controlling the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, and two (2) whole corn silos, identified as EU-PR-CR-40 and 41. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (b) An inspection shall be performed each calendar quarter of all bags controlling the one (1) whole corn scale hopper, identified as EU-PR-CR-42, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.5.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the bag-house's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced.

Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.5.9 Record Keeping Requirements

- (a) To document compliance with Condition D.5.2(a), the Permittee shall maintain monthly records of the amount (in tons) of whole corn input to the one (1) whole corn truck unloading station, identified as EU-PR-CR-39.
- (b) To document compliance with Condition D.5.2(b), the Permittee shall maintain monthly records of the total amount (in tons) of corn input to the two (2) whole corn silos, identified as EU-PR-CR-40 and 41.
- (c) To document compliance with Condition D.5.2(c), the Permittee shall maintain monthly records of the amount (in tons) of whole corn input to the one (1) whole corn scale hopper, identified as EU-PR-CR-42.
- (d) To document compliance with Condition D.5.2(d), the Permittee shall maintain monthly records of the amount (in tons) of chips input to the one (1) chip fryer, identified as EU-PR-CLF-2.
- (e) To document compliance with Condition D.5.2(e), the Permittee shall maintain monthly records of the amount (in tons) of chips input to the one (1) chip conveyor, identified as EU-PR-CLAC-2.
- (f) To document compliance with Condition D.5.5(a), the Permittee shall maintain records of visible emission notations of the one (1) whole corn truck unloading station (EU-PR-CR-39) baghouse (CE-CR-39) stack (EP-39) exhaust, the two (2) whole corn silos (EU-PR-CR-40 and 41) baghouse (CE-CR-40 and 41) stack (EP-40 and 41) exhausts, the one (1) chip fryer (EU-PR-CLF-2) stack (EP-CLF2) exhaust and the one (1) chip conveyor (EU-CLAC-2) stack (EP-CLAC-2) exhaust once per shift.
- (g) To document compliance with Condition D.5.5(b), the Permittee shall maintain records of visible emission notations of the one (1) whole corn scale hopper (EU-PR-CR-42) baghouse (CE-CR-42) exhaust once per shift when exhausting to the atmosphere.
- (h) To document compliance with Condition D.5.6, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation when venting to the atmosphere.
- (i) To document compliance with Condition D.5.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (j) To document compliance with Condition D.5.7, the Permittee shall maintain records of the results of the inspections required under Condition D.5.7 and the dates the vents are redirected.
- (k) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.5.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.5.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.6

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Salt tank

- (f) One (1) salt tank, identified as EU-PR-SA-01, equipped with a filter, identified as CE-SA-01, and exhausting through stack EP-SA-01, capacity: 25,000 pounds of salt per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.6.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) salt tank, identified as EU-PR-SA-01, shall not exceed 22.3 pounds per hour when operating at a process weight rate of 12.5 tons per hour.

The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.6.2 PSD and FESOP Minor Limit [326 IAC 2-2] [326 IAC 2-8-4]

The potential to emit PM and PM₁₀ from the one (1) salt tank, identified as EU-PR-SA-01, shall not exceed 0.0113 pound per ton of salt and the salt input shall not exceed 109,500 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.619 tons per year.

This usage and emission limit, in conjunction with the limitations of Conditions D.1.2, D.2.2, D.3.2, D.4.2 and D.5.2, limit the potential to emit of PM and PM₁₀ from the entire source to 49.7 and 50.0 tons per year, respectively. Thus, the potential to emit PM is less than 250 tons per year and the potential to emit PM₁₀ is less than 100 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 327 IAC 2-7 (Part 70) not applicable.

D.6.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.6.4 Particulate Control

In order to comply with Condition D.6.2, the filter (CE-SA-01) for particulate control shall be in operation and control emissions from the one (1) salt tank, identified as EU-PR-SA-01, at all times that the one (1) salt tank is in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.6.5 Visible Emissions Notations

-
- (a) Visible emission notations of the one (1) salt tank, identified as EU-PR-SA-01, filter stack exhaust, shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
 - (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
 - (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
 - (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
 - (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.6.6 Filter Inspections

An inspection shall be performed each calendar quarter of all filters controlling the one (1) salt tank, identified as EU-PR-SA-01. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced.

D.6.7 Filter Failure Detection

In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.6.8 Record Keeping Requirements

-
- (a) To document compliance with condition D.6.2, the Permittee shall maintain monthly records of the amount (in tons) of salt input to the one (1) salt tank, identified as EU-PR-SA-01.
 - (b) To document compliance with Condition D.6.5, the Permittee shall maintain records of visible emission notations of the one (1) salt tank, identified as EU-PR-SA-01, filter stack exhaust once per shift.
 - (c) To document compliance with Condition D.6.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
 - (d) To document compliance with Condition D.6.6, the Permittee shall maintain records of the results of the inspections required under Condition D.6.6 and the dates the vents are redirected.
 - (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.6.9 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.6.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.7

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Boiler

- (g) One (1) boiler, identified as EU-PR-BR-01, constructed in 1994/1995, fired by propane or natural gas, exhausting through stack EP-Boiler, heat input capacity: 6.3 million British thermal units per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.7.1 Particulate [326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the 6.3 million British thermal unit per hour heat input boiler shall be limited to 0.6 pounds per million British thermal units heat input.
- (b) Pursuant to 326 IAC 6-2-4 (a), for total heat input capacities less than 10 million British thermal units per hour, the PM emissions shall not exceed 0.6 pounds per million British thermal units heat input.

SECTION D.8

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Hot water heater

- (h) One (1) hot water heater, identified as EU-PR-WH-02, fired by propane or natural gas, exhausting through stack EP-WH, capacity: 7.0 million British thermal units per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

There are no conditions specifically applicable to this facility.

SECTION D.9

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, and propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour, including:
 - (1) Ten (10) natural gas or propane direct-fired heaters, identified as EU-PR-MAU-1 through 9, where EU-PR-MAU-4 has two heaters, A and B, maximum total capacity: 6.69 million British thermal units per hour, total.
 - (2) Eighteen (18) natural gas or propane indirect-fired heaters, identified as EU-PR-A/CRTU-2 through 19, exhausting through stacks EP-A/CRTU-2 through 19, respectively, maximum total capacity: 4.28 million British thermal units per hour, total.
- (b) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. This facility dispenses diesel fuel used by the trucks, using a 500 gallon diesel tank.
- (c) Equipment used exclusively for filling drums, pails or other packaging containers with lubricating oils, waxes and greases.
- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. This is a parts washer using only non-HAP materials. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (e) The following equipment relating to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (f) Closed loop heating and cooling systems.
- (g) Solvent recycling systems with batch capacity less than or equal to 100 gallons.
- (h) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (i) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (j) Filter or coalescer media changeout.
- (k) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (l) The following storage tanks:
 - (1) Two (2) liquid shortening tanks, containing negligible VOCs, capacity: 10,000 gallons each.
 - (2) One (1) soybean oil tank, containing negligible VOC, capacity: 10,000 gallons.
 - (3) One (1) used soybean frying oil tank, capacity: 7,000 gallons.
 - (4) One (1) propane tank.
 - (5) One (1) DAF sludge tank in the waste water area, containing grease or oil from the frying operations, and flour, corn, masa from the general process, in a waste form, and no VOCs, capacity: 30,000 gallons.
 - (6) One (1) wastewater equalization tank, containing no VOCs, capacity: 150,000 gallons.
 - (7) One (1) CO₂ tank.

(The information describing the process contained in this facility description box is descriptive information

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.9.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.9.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.9.3 Particulate [326 IAC 6-3-2]

- (a) Any change or modification that increases the rod or wire consumption rate at the insignificant welding operations at this source to six hundred twenty-five (625) pounds of rod or wire per day shall make the welding subject to the requirements of 326 IAC 6-3-2, and shall require prior IDEM, OAQ, approval.
- (b) Any change or modification that increases the cutting rate at the insignificant torch cutting operations at this source cut to three thousand four hundred (3,400) inches per hour or more shall make the torch cutting subject to the requirements of 326 IAC 6-3-2, and shall require prior IDEM, OAQ, approval.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Affidavit (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information
in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
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Fax: 317-233-5967**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022

This form consists of 2 pages

Page 1 of 2

- 9** This is an emergency as defined in 326 IAC 2-7-1(12)
- c The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
 - c The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM ₁₀ , SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Four (4) flour silos, identified as EU-PR-FL-31 through 34
Parameter: Total flour input; PM and PM₁₀ emissions
Limit: 45,896 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 2.31 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total flour input (tons)	Total flour input (tons)	Total flour input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Two (2) flour sifters, identified as EU-PR-FL-36 and 37
Parameter: Total flour input; PM and PM₁₀ emissions
Limit: 45,896 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 0.429 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total flour input (tons)	Total flour input (tons)	Total flour input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) tortilla flour usebin, identified as EU-PR-FL-35
Parameter: Total flour input; PM and PM₁₀ emissions
Limit: 37,531 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 3.82 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total flour input (tons)	Total flour input (tons)	Total flour input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40
Parameter: Total flour input; PM and PM₁₀ emissions
Limit: 37,531 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 3.82 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total flour input (tons)	Total flour input (tons)	Total flour input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Three (3) tortilla mixers, identified as EU-PR-TO-09 through 11
Parameter: Total raw materials, excluding water, input; PM and PM₁₀ emissions
Limit: 45,622 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 11.0 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total raw materials (excluding water) input (tons)	Total raw materials (excluding water) input (tons)	Total raw materials (excluding water) input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 1,317 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 0.057 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 3,284 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 0.143 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-36
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 1,095 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.330 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-37 and 38
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 2,189 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 0.661 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) flatbread flour usebin, identified as EU-PR-FB-30,
Parameter: Total flour input; PM and PM₁₀ emissions
Limit: 8,365 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.227 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total flour input (tons)	Total flour input (tons)	Total flour input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) flatbread scale hopper, identified as EU-PR-FB-31
Parameter: Total flour input; PM and PM₁₀ emissions
Limit: 8,365 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.227 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total flour input (tons)	Total flour input (tons)	Total flour input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) flatbread mixer, identified as EU-PR-FB-32
Parameter: Total raw materials, excluding water, input; PM and PM₁₀ emissions
Limit: 10,931 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 2.65 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total raw materials (excluding water) input (tons)	Total raw materials (excluding water) input (tons)	Total raw materials (excluding water) input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.227 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.227 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) flatbread minor ingredient scale hopper, identified as EU-FBM-03
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.145 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04
Parameter: Total ingredients input; PM and PM₁₀ emissions
Limit: 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.145 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total ingredients input (tons)	Total ingredients input (tons)	Total ingredients input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) primary masa usebin, identified as EU-PR-MA-45
Parameter: Total masa input; PM and PM₁₀ emissions
Limit: 2,227 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.151 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total masa input (tons)	Total masa input (tons)	Total masa input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) primary masa scale hopper, identified as EU-PR-MA-53
Parameter: Total masa input; PM and PM₁₀ emissions
Limit: 2,227 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.151 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total masa input (tons)	Total masa input (tons)	Total masa input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) taco shell mixer, identified as EU-PR-MA-52
Parameter: Total raw materials, excluding water, input; PM and PM₁₀ emissions
Limit: 2,261 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.045 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total raw materials (excluding water) input (tons)	Total raw materials (excluding water) input (tons)	Total raw materials (excluding water) input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26
Parameter: Total taco shells input; PM and PM₁₀ emissions
Limit: 14,190 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 5.68 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total taco shells input (tons)	Total taco shells input (tons)	Total taco shells input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) whole corn truck unloading station, identified as EU-PR-CR-39
Parameter: Total whole corn input; PM and PM₁₀ emissions
Limit: 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 1.07 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total whole corn input (tons)	Total whole corn input (tons)	Total whole corn input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: Two (2) whole corn silos, identified as EU-PR-CR-40 and 41
Parameter: Total whole corn input; PM and PM₁₀ emissions
Limit: 9,198 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month, equivalent to 1.26 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total whole corn input (tons)	Total whole corn input (tons)	Total whole corn input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) whole corn scale hopper, identified as EU-PR-CR-42,
Parameter: Total whole corn input; PM and PM₁₀ emissions
Limit: 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.248 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total whole corn input (tons)	Total whole corn input (tons)	Total whole corn input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) chip fryer, identified as EU-PR-CLF-2
Parameter: Total chips input; PM and PM₁₀ emissions
Limit: 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 3.68 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total chips input (tons)	Total chips input (tons)	Total chips input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) chip conveyor, identified as EU-PR-CLAC-2
Parameter: Total chips input; PM and PM₁₀ emissions
Limit: 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 3.68 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total chips input (tons)	Total chips input (tons)	Total chips input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022
Facility: One (1) salt tank, identified as EU-PR-SA-01
Parameter: Total salt input; PM and PM₁₀ emissions
Limit: 109,500 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to 0.619 tons of PM and PM₁₀ per year

YEAR: _____

Month	Total salt input (tons)	Total salt input (tons)	Total salt input (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Tyson Foods, Inc., Mexican Original
Source Address: 1355 W. Tyson Road, Portland, Indiana 47371
Mailing Address: 1355 W. Tyson Road, Portland, Indiana 47371
FESOP No.: 075-17765-00022

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Issued December 3, 2003

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD)
for a Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	Tyson Foods, Inc., Mexican Original
Source Location:	1355 W. Tyson Road, Portland, Indiana 47371
County:	Jay
SIC Code:	2096 and 2041
Operation Permit No.:	F 075-17765-00022
Permit Reviewer:	CarrieAnn Paukowits

The Office of Air Quality (OAQ) has reviewed a FESOP application from Tyson Foods, Inc., Mexican Original relating to the operation of a taco shell, corn chip, tortilla and flatbread manufacturing source.

This permit contains provisions intended to satisfy the requirements of the construction permit rules.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

CP 075-3803-00022 was issued to this source on September 16, 1994. The permit is for a plant capable of producing 1,800 pounds per hour of chips, 2,000 pounds per hour of tortillas, and 800 pounds per hour of taco shells. During construction, plans were modified and the plant is capable of producing 14,880 pounds per hour of tortillas, 3,750 pounds per hour of flatbread, 3,240 pounds per hour of taco shells and 2,100 pounds per hour of corn chips. Therefore, the facilities at this source are not permitted to operate at the maximum capacity. The combustion units at this source can operate on natural gas or propane. The units are only permitted to operate on natural gas. In addition, some facilities exhausting inside the building were not included in the initial construction permit. Therefore, although the boiler, water heater, ovens, fryers, heat exchangers, silos, scale hoppers, unloading, and some usebins were permitted, they were not permitted as constructed, and all facilities at this source are listed as unpermitted.

Unpermitted Emission Units and Pollution Control Equipment

The source also consists of the following unpermitted facilities/units:

- (a) One (1) flour silo system, constructed in 1994/95, including:
 - (1) Four (4) flour silos, identified as EU-PR-FL-31 through 34, each equipped with a baghouse, identified as CE-FL-31 through 34, respectively, and exhausting to the atmosphere, capacity: 36,000 pounds of flour per hour, each, and 36,000 pounds of flour per hour, total.

- (2) Two (2) flour sifters, identified as EU-PR-FL-36 and 37, each equipped with a baghouse, identified as CE-FL-36 and 37, and exhausting inside, capacity: 24,000 pounds of flour per hour, each.
- (b) One (1) tortilla production process, constructed in 1994/95, producing a maximum of 14,880 pounds of tortillas per hour, including:
 - (1) One (1) tortilla flour usebin, identified as EU-PR-FL-35, equipped with a baghouse, identified as CE-FL-35, and exhausting inside, input capacity: 24,000 pounds of flour per hour.
 - (2) Three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, equipped with a baghouse, identified as CE-FL-35, and exhausting inside, capacity: 15,000 pounds of flour per hour, total.
 - (3) Three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, equipped with filters, identified as CE-TO-09 through 11, respectively, and exhausting inside, capacity: 3,472 pounds of raw materials, excluding water, per hour, each.
 - (4) Six (6) sets of pressed tortilla forming equipment.
 - (5) Six (6) propane and natural gas-fired tortilla ovens, identified as EU-PR-TO-02 through 07 (EU-PR-TO-07 was constructed in 2001), each with a heat input capacity of 1.5 million British thermal units per hour, and exhausting through stacks EP-TO-2 through 7, respectively.
 - (6) Tortilla cooling, packing and shipping.
 - (7) One (1) tortilla minor ingredients system consisting of:
 - (A) Thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, exhausting inside, input capacity: 1,000 pounds per hour, total.
 - (B) Two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, exhausting inside, capacity: 1,000 pounds per hour, each.
 - (C) Three (3) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-36 through 38, each equipped with a baghouse, identified as CE-TMI-36 through 38, respectively, and exhausting inside, capacity: 12,000 pounds per hour, each.
- (c) One (1) flatbread production process, constructed in 1998, producing a maximum of 3,750 pounds of flatbread per hour, including:
 - (1) One (1) flatbread flour usebin, identified as EU-PR-FB-30, equipped with a baghouse, identified as CE-FB-30, and exhausting inside, capacity: 24,000 pounds of flour per hour.
 - (2) One (1) flatbread scale hopper, identified as EU-FB-31, equipped with a baghouse, identified as CE-FB-30, and exhausting inside, capacity: 15,000 pounds of flour per hour.

- (3) One (1) flatbread mixer, identified as EU-PR-FB-32, equipped with a filter, identified as CE-FB-32, and exhausting inside, capacity: 2,496 pounds of raw materials, excluding water, per hour.
- (4) One (1) set of flatbread forming equipment.
- (5) One (1) propane and natural gas-fired flatbread oven, identified as EU-PR-FB-28, with a heat input capacity of 1.5 million British thermal units per hour, and exhausting through stacks EP-FB-09-01 and EP-FB-09-02, capacity: 3,750 pounds of flatbread per hour.
- (6) Flatbread cooling, packing and shipping.
- (7) One (1) flatbread minor ingredients system consisting of:
 - (A) One (1) flatbread minor ingredient hand dump hopper, identified as EU-PR-FBM-01, equipped with a baghouse, identified as CE-FBM-02, and exhausting inside, capacity: 1,000 pounds per hour.
 - (B) One (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, equipped with a baghouse, identified as CE-FBM-02, and exhausting inside, input capacity: 1,000 pounds per hour.
 - (C) One (1) flatbread minor ingredient scale hopper, identified as EU-FBM-03, equipped with a filter, identified as CE-FBM-03, and exhausting inside, capacity: 15,000 pounds per hour.
 - (D) One (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, equipped with a baghouse, identified as CE-FBM-04, and exhausting inside, capacity: 15,000 pounds per hour.
- (d) One (1) taco shell production process, constructed in 1994/95, producing a maximum of 3,240 pounds of taco shells per hour, including:
 - (1) One (1) primary masa usebin (including two (2) masa totes), identified as EU-PR-MA-45, equipped with a baghouse, identified as CE-MA-45, and exhausting inside, input capacity: 9,000 pounds of masa per hour, total.
 - (2) Three (3) natural gas and propane-fired taco shell ovens, identified as EU-PR-TS-19, EU-PR-TS-22 and EU-PR-TS-25, each with a heat input capacity of 3.9 million British thermal units per hour, and exhausting through stacks EP-TSO-3-1 and 2, EP-TSO-4-1 and 2, and EP-TSO-5-1 and 2, respectively.
 - (3) Three (3) taco shell fryers, identified as EU-PR-TS-20, EU-PR-TS-23 and EU-PR-TS-26, each equipped with a propane or natural gas-fired heat exchanger with a heat input capacity of 2.1 million British thermal units per hour, and exhausting through stacks EP-TSF-3, 4 and 5, with the heat exchangers exhausting through stacks EP-TSHE-3 through 5, respectively, capacity: 1,080 pounds per hour, each.
 - (4) Taco shell cooling, packing and shipping.

- (e) One (1) whole corn chip production process, constructed in 1994/95, producing a maximum of 2,100 pounds of corn chips per hour, including:
 - (1) One (1) whole corn truck unloading station, identified as EU-PR-CR-39, equipped with a baghouse identified as CE-CR-39 and exhausting through stack EP-39, capacity: 30,000 pounds of corn per hour.
 - (2) Two (2) whole corn silos, identified as EU-PR-CR-40 and 41, each equipped with a baghouse, identified as CE-CR-40 and 41, respectively, and exhausting through stacks EP-40 and 41, respectively, capacity: 30,000 pounds of corn per hour, each, and 30,000 pounds of corn per hour, total.
 - (3) One (1) whole corn scale hopper, identified as EU-PR-CR-42, equipped with a baghouse, identified as CE-CR-42, and exhausting inside, capacity: 9,000 pounds of corn per hour.
 - (4) Two (2) corn cooking kettles, capacity: 2,121 pounds of raw materials per hour, total.
 - (5) One (1) whole corn transfer tank, capacity: 2,100 pounds per hour.
 - (6) Twelve (12) whole corn holding tanks, capacity: 2,100 pounds per hour, total.
 - (7) One (1) wet corn grinder, capacity: 2,100 pounds per hour.
 - (8) One (1) natural gas and propane-fired chip oven, identified as EU-PR-CL-13, with a heat input capacity of 3.2 million British thermal units per hour, and exhausting through stack EP-CL-02-01/02.
 - (9) One (1) chip fryer, identified as EU-PR-CLF-2, equipped with a propane or natural gas-fired heat exchanger with a heat input capacity of 2.9 million British thermal units per hour, and exhausting through stack EP-CLF2, with the heat exchanger exhausting through stack EP-CLHE-2, capacity: 2,100 pounds per hour.
 - (10) One (1) chip conveyor, identified as EU-CLAC-2, exhausting to stack EP-CLAC-2, capacity: 2,100 pounds per hour.
 - (11) One (1) salt tumbler.
 - (12) Corn chip packing and shipping.
- (f) One (1) salt tank, identified as EU-PR-SA-01, equipped with a filter, identified as CE-SA-01, and exhausting through stack EP-SA-01, capacity: 25,000 pounds of salt per hour.
- (g) One (1) boiler, identified as EU-PR-BR-01, constructed in 1994/1995, fired by propane or natural gas, exhausting through stack EP-Boiler, heat input capacity: 6.3 million British thermal units per hour.
- (h) One (1) hot water heater, identified as EU-PR-WH-02, fired by propane or natural gas, exhausting through stack EP-WH, capacity: 7.0 million British thermal units per hour.

The application includes information relating to the prior approval for the construction and operation of the following equipment, which is part of the taco shell production process, pursuant to 326 IAC 2-8-4(11):

- (1) One (1) primary masa scale hopper, identified as EU-PR-MA-53, venting to the usebin which is equipped with a baghouse, identified as CE-MA-45, and exhausting inside, input capacity: 12,000 pounds of masa per hour.
- (2) One (1) taco shell mixer, identified as EU-PR-MA-52, equipped with a filter, identified as CE-MA-52, and exhausting inside, capacity: 1,547 pounds of raw materials, excluding water, per hour.

Based upon the emission calculations on page 2 of 6 of appendix A, the unrestricted potential PM and PM₁₀ emissions from the one (1) taco shell mixer (EU-PR-MA-52) are 0.207 tons per year. The emissions for the one (1) primary masa scale hopper (EU-PR-MA-53) were calculated based upon the baghouse parameters for the baghouse that also controls the primary masa usebin. However, the applicant supplied emissions calculations for the one (1) primary masa scale hopper (EU-PR-MA-53), which have been verified. Based on the emission factors for grain receiving in AP-42, Table 9.9.1-1 and the capacity of the unit, the potential PM and PM₁₀ emissions from the one (1) primary masa scale hopper (EU-PR-MA-53) are 0.00039 and 0.00009 tons per year, respectively. Therefore, the units are exempt from permitting requirements. If the FESOP had been issued, this change would only require an Administrative Amendment under 326 IAC 2-8-10(a)(6), "Revises descriptive information where the revision will not trigger a new applicable requirement or violate a permit term." Thus, the requirement to notify IDEM, OAQ, of the change is satisfied and the applicant may construct and operate these units prior to issuance of the FESOP. These units are not considered insignificant activities because they are part of the taco shell production line. The units replace three (3) taco shell secondary masa usebins and three (3) taco shell mixers, which are not included in the equipment list because they will be removed before the proposed FESOP is issued.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, and propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour, including:
 - (1) Ten (10) natural gas or propane direct-fired heaters, identified as EU-PR-MAU-1 through 9, where EU-PR-MAU-4 has two heaters, A and B, maximum total capacity: 6.69 million British thermal units per hour, total.
 - (2) Eighteen (18) natural gas or propane indirect-fired heaters, identified as EU-PR-A/CRTU-2 through 19, exhausting through stacks EP-A/CRTU-2 through 19, respectively, maximum total capacity: 4.28 million British thermal units per hour, total.
- (b) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. This facility dispenses diesel fuel used by the trucks, using a 500 gallon diesel tank.
- (c) Equipment used exclusively for filling drums, pails or other packaging containers with

lubricating oils, waxes and greases.

- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. This is a parts washer using only non-HAP materials. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (e) The following equipment relating to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (f) Closed loop heating and cooling systems.
- (g) Solvent recycling systems with batch capacity less than or equal to 100 gallons.
- (h) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (i) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (j) Filter or coalescer media changeout.
- (k) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (l) The following storage tanks:
 - (1) Two (2) liquid shortening tanks, containing negligible VOCs, capacity: 10,000 gallons each.
 - (2) One (1) soybean oil tank, containing negligible VOC, capacity: 10,000 gallons.
 - (3) One (1) used soybean frying oil tank, capacity: 7,000 gallons.
 - (4) One (1) propane tank.
 - (5) One (1) DAF sludge tank in the waste water area, containing grease or oil from the frying operations, and flour, corn, masa from the general process, in a waste form, and no VOCs, capacity: 30,000 gallons.
 - (6) One (1) wastewater equalization tank, containing no VOCs, capacity: 150,000 gallons.
 - (7) One (1) CO₂ tank.

Existing Approvals

The source has constructed and has been operating under the following previous approvals including:

CP 075-3803-00022, issued on September 16, 1994

All terms and conditions from previous approvals issued pursuant to the permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous approvals are superseded by this permit.

The following terms and conditions from previous approvals have been revised in this permit:

CP 075-3803-00022, issued on September 16, 1994

Operation Condition 4, that the PM emissions from the proposed process installations shall be in compliance with 326 IAC 6-3-2, provided that the baghouse EP-31 through EP-45 operate at all times when the associated processes are operated; the pressure drop of each of the baghouses is continuously monitored and recorded; and the PM emissions from the flour processing, whole corn processing, Masa hand processing, and Masa silo processing shall not exceed 12.2, 7.27, 7.37, and 7.37 pounds per hour, respectively.

Reason revised: Based on the new information submitted in this application, the process weight rate through most of the processes has changed. In addition, the requirement to operate the control devices for 326 IAC 6-3-2 compliance has been re-evaluated based on the unrestricted potential to emit and the allowable emissions pursuant to 326 IAC 6-3-2. Please see "326 IAC 6-3-2" in the "State Rule Applicability - Individual Facilities" section of this document for a description of the new allowable emission rates from each facility. Note that all control devices still must be operated in order for this source to be a minor source pursuant to 326 IAC 2-2, PSD, and to qualify for 326 IAC 2-8, FESOP.

The following terms and conditions from previous approvals have been determined to be no longer applicable, and, therefore, are not incorporated into this permit:

All construction conditions from all previous permits.

Reason not incorporated: All facilities previously permitted have already been constructed. Therefore, the construction conditions are no longer necessary as part of the operating permit. Any facilities that were previously permitted but have not yet been constructed would need new pre-construction approval before beginning construction.

Enforcement Issue

- (a) IDEM is aware that equipment has been constructed and/or operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled *Unpermitted Emission Units and Pollution Control Equipment*.
- (b) IDEM is aware that the source was not issued a FESOP by December 14, 1996, nor did they submit a Part 70 application by that date.
- (c) IDEM is reviewing these matters and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction and operation permit rules.

Recommendation

The staff recommends to the Commissioner that the FESOP be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively incomplete FESOP application for the purposes of this review was received on May 27, 2003. Additional information received on June 6, 2003, makes the FESOP application

administratively complete. Additional information was received on July 15, 23, 24, 28, and 29 and August 13 and 27, 2003.

There was no notice of completeness letter mailed to the source.

Emission Calculations

See pages 1 through 6 of 6 of Appendix A of this document for detailed emissions calculations. The applicant provided calculations using AP-42 emission factors for the process indicated, or a similar process. For some controlled facilities, the emissions based on control device parameters were higher. Therefore, the emissions were calculated in Appendix A using the methodology resulting in the most conservative (highest) emission rates. This does not preclude the applicant from using acceptable AP-42 emission factors when calculating emissions in the future or demonstrating compliance with the rules or limitations of the permit. Note that there are no emissions from the forming equipment, cooling, packaging, shipping, or steeping operations for the whole corn process.

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	916
PM ₁₀	916
SO ₂	4.88
VOC	19.6
CO	21.7
NO _x	53.5

Note: For the purpose of determining Title V applicability for particulates, PM₁₀, not PM, is the regulated pollutant in consideration.

HAPs	Potential To Emit (tons/year)
Hexane	1.84
Benzene	0.0005
Dichlorobenzene	0.0003
Formaldehyde	0.019
Toluene	0.0009
Lead	0.0001

HAPs	Potential To Emit (tons/year)
Cadmium	0.0003
Chromium	0.0004
Manganese	0.0001
Nickel	0.0005
TOTAL	1.87

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM₁₀ is equal to or greater than one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

- (b) Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

- (c) This source, otherwise required to obtain a Title V permit, has agreed to accept a permit with federally enforceable limits that restrict its PTE to below the Title V emission levels. Therefore, this source will be issued a Federally Enforceable State Operating Permit (FESOP), pursuant to 326 IAC 2-8.

Actual Emissions

No previous emission data has been received from the source.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Federally Enforceable State Operating Permit.

Process/facility	Limited Potential to Emit (tons/year)						
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
Four (4) flour silos (EU-PR-FL-31 through 34)	2.31	2.31	-	-	-	-	-
Two (2) flour sifters (EU-PR-FL-36 and 37)	0.429	0.429	-	-	-	-	-
One (1) tortilla flour usebin (EU-PR-FL-35) and three (3) tortilla scale hoppers (EU-PR-FL-38 through 40)	7.64	7.64	-	-	-	-	-

Process/facility	Limited Potential to Emit (tons/year)						
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
Three (3) tortilla mixers (EU-PR-TO-09 through 11)	11.0	11.0	-	-	-	-	-
Thirty-eight (38) tortilla minor ingredient usebins (EU-PR-TMI-40 through 77)	0.057	0.057	-	-	-	-	-
Two (2) tortilla minor ingredient scale hoppers (EU-PR-TMI-78 and 79)	0.143	0.143	-	-	-	-	-
One (1) tortilla minor ingredient scale hopper (EU-PR-TMI-36)	0.330	0.330	-	-	-	-	-
Two (2) tortilla minor ingredient scale hoppers (EU-PR-TMI-37 and 38)	0.661	0.661	-	-	-	-	-
One (1) flatbread flour usebin (EU-PR-FB-30) and one (1) flatbread flour scale hopper (EU-PR-FB- 31)	0.454	0.454	-	-	-	-	-
One (1) flatbread mixer (EU-PR-FB-32)	2.65	2.65	-	-	-	-	-
One (1) flatbread minor ingredients hand dumper (EU-PR-FBM-01) and one (1) flatbread minor ingredient usebin (EU-PR- FBM-02)	0.454	0.454	-	-	-	-	-
One (1) flatbread minor ingredients scale hopper (EU-PR-FBM-03)	0.145	0.145	-	-	-	-	-
One (1) flatbread minor ingredients pre-mix hopper (EU-PR-FBM-04)	0.145	0.145	-	-	-	-	-
One (1) primary masa usebin (EU-PR-MA-45) and one (1) primary masa scale hopper (EU-PR-MA- 53)	0.302	0.302	-	-	-	-	-
One (1) taco shell mixer (EU-PR-MA-52)	0.045	0.045	-	-	-	-	-

	Limited Potential to Emit (tons/year)						
Process/facility	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
Three (3) taco shell fryers (EU-PR-TS-20, 23 and 26)	5.68	5.68	-	0.604	-	-	0.604
Whole corn truck unloading (EU-PR-CR-39)	1.07	1.07	-	-	-	-	-
Two (2) whole corn silos (EU-PR-CR-40 and 41)	1.26	1.26	-	-	-	-	-
One (1) whole corn scale hopper (EU-PR-CR-42)	0.248	0.248	-	-	-	-	-
Two (2) corn cooking kettles, one (1) whole corn transfer tank, twelve (12) whole corn holding tanks, and one (1) wet corn grinder	negligible	negligible	-	-	-	-	-
One (1) chip fryer (EU-PR- CLF-2)	3.68	3.68	-	0.391	-	-	0.391
One (1) chip conveyor (EU- PR-CLAC-2)	3.68	3.68	-	0.391	-	-	0.391
One (1) salt tank (EU-PR- SA-01)	0.619	0.619	-	-	-	-	-
Propane and natural gas combustion (including insignificant combustion)	1.69	1.96	4.88	1.42	21.7	53.5	0.487
Insignificant activities*	5.00	5.00	-	10.0	-	-	1.00
Total Emissions	49.7	50.0	4.88	12.8	21.7	53.5	Single <10 Total <25

*The emissions from insignificant activities are conservatively estimated.

The PM from natural gas combustion includes filterable PM only. The PM₁₀ includes filterable and condensable PM₁₀ (see page 4 of 6 of Appendix A of this document).

County Attainment Status

The source is located in Jay County.

Pollutant	Status
PM ₁₀	Attainment
SO ₂	Attainment
NO ₂	Attainment

Pollutant	Status
Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Jay County has been designated as attainment or unclassifiable for ozone.
- (b) Jay County has been classified as attainment or unclassifiable for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Federal Rule Applicability

- (a) The one (1) boiler, identified as EU-PR-BR-01, rated at 6.3 million British thermal units per hour, and the one (1) hot water heater, identified as EU-PR-WH-02, rated at 7.0 million British thermal units per hour, both constructed in 1994/1995, are not subject to the New Source Performance Standards, 326 IAC 12, 40 CFR 60.40, 40 CFR 60.40a, 40 CFR 60.40b and 40 CFR 60.40c, Subparts D, Da, Db and Dc, because they were installed after June 9, 1989, and have capacities less than 10 million British thermal units per hour, each.
- (b) The storage tanks at this source were all constructed in 1994/1995. The one (1) DAF sludge tank and the one (1) wastewater equalization tank do not contain volatile organic liquids. Therefore, the requirements of the NSPS for Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, 326 IAC 12, (40 CFR Part 60.110b, Subpart Kb) are not applicable. The two (2) liquid shortening tanks, one (1) soybean oil tank, one (1) used soybean frying oil tank, one (1) propane tank, and one (1) diesel tank are not subject to NSPS, 326 IAC 12, (40 CFR Part 60.110b, Subpart Kb) because they each have a capacity less than forty (40) cubic meters.
- (c) This source has a permanent storage capacity less than 35,200 cubic meters. Therefore, this source does not have a grain storage elevator or grain terminal elevator as defined by 40 CFR 60.301(c) and (f), and the requirements for the NSPS for grain elevators, 326 IAC 12 (40 CFR 60.300, Subpart DD) are not applicable.
- (d) The insignificant parts washer is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), Part 63, Subpart T, because the parts washer does not use halogenated solvents.
- (e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR Part 63) applicable to this source.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This source, constructed in 1994/1995, has the potential to emit more than 250 tons per year of PM

and PM₁₀. The total source emissions after controls are less than 250 tons per year of PM and PM₁₀, and the applicant has indicated that the control devices were operated at all times when the facilities were in operation (as required by CP075-3803-00022, issued on September 16, 1994) and the facilities at this source have not exceeded their capacities. Therefore, the actual PM and PM₁₀ emissions since the source was constructed were less than 250 tons per twelve (12) consecutive month period. In order to ensure that the requirements of 326 IAC 2-2, PSD, are not applicable, the facilities at this source are limited as follows:

- (a) The potential to emit PM and PM₁₀ from the four (4) flour silos, identified as EU-PR-FL-31 through 34, shall not exceed 0.101 pound per ton of flour input and the flour input shall not exceed 45,896 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the total potential to emit PM and PM₁₀ to 2.31 tons per year from the total of the four (4) silos. Since the potential to emit after controls is 2.10 tons per year, the four (4) silos will comply with this limitation. The baghouse (CE-FL-31 through CE-FL-34) controlling each silo must be in operation at all times when the silo is in operation in order to comply with this limit.
- (b) The potential to emit PM and PM₁₀ from the two (2) flour sifters, identified as EU-PR-FL-36 and 37, shall not exceed 0.0187 pound per ton of flour input and the flour input shall not exceed 45,896 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the total potential to emit PM and PM₁₀ to 0.429 tons per year from the total of the two (2) sifters. Since the potential to emit after controls is 0.390 tons per year, the two (2) sifters will comply with this limitation. The baghouse (CE-FL-36 and 37) controlling each sifter must be in operation at all times when the sifter is in operation in order to comply with this limit.
- (c) The potential to emit PM and PM₁₀ from the one (1) tortilla flour usebin, identified as EU-PR-FL-35, and the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, all exhausting to baghouse CE-FL-35, shall not exceed 0.203 pound per ton of flour input. The flour input to the usebin shall not exceed 37,531 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, and the flour input to the three (3) tortilla scale hoppers shall not exceed 37,531 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 3.82 tons per year from the usebin, 3.82 tons per year from the total of the three (3) scale hoppers, and 7.64 tons per year, total. Since the potential to emit after controls is 1.16 tons per year from the usebin, the one (1) tortilla flour usebin, identified as EU-PR-FL-35, will comply with this limitation. Since the potential to emit after controls is 0.72 tons per year, the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, will comply with this limitation. The baghouse (CE-FL-35) controlling the usebin and scale hoppers must be in operation at all times when the usebin or scale hoppers is in operation in order to comply with this limit.
- (d) The potential to emit PM and PM₁₀ from the three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, shall not exceed 0.484 pound per ton of raw materials, excluding water, input and the raw materials, excluding water, input shall not exceed 45,622 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 11.0 tons per year. Since the potential to emit after controls is 10.1 tons per year, the three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, will comply with this limitation. The filter (CE-TO-09 through 11) controlling each mixer must be in operation at all times when the mixer is in operation in order to comply with this limit.

- (e) The potential to emit PM and PM₁₀ from the thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, shall not exceed 0.087 pound per ton of ingredients input and the ingredients input shall not exceed 1,317 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.057 tons per year. The emission limitation is equivalent to the AP-42 emission factor for this process. Therefore, the thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, will comply with this limit.
- (f) The potential to emit PM and PM₁₀ from the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, shall not exceed 0.087 pound per ton of ingredients input and the ingredients input shall not exceed 3,284 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.143 tons per year. The emission limitation is equivalent to the AP-42 emission factor for this process. Therefore, the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, will comply with this limit.
- (g) The potential to emit PM and PM₁₀ from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-36, shall not exceed 0.603 pound per ton of ingredients input and the ingredients input shall not exceed 1,095 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.330 tons per year. Since the potential to emit after controls is 0.300 tons per year, the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-36, will comply with this limitation. Baghouse CE-TMI-36, controlling the scale hopper must be in operation at all times when the scale hopper is in operation in order to comply with this limit.
- (h) The potential to emit PM and PM₁₀ from the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-37 and 38, shall not exceed 0.604 pound per ton of ingredients input and the ingredients input shall not exceed 2,189 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.661 tons per year. Since the potential to emit after controls is 0.600 tons per year, the two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-37 and 38, will comply with this limitation. The baghouse (CE-TMI-37 and 38) controlling each scale hopper must be in operation at all times when the scale hopper is in operation in order to comply with this limit.
- (i) The potential to emit PM and PM₁₀ from the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread scale hopper, identified as EU-PR-FB-31, both exhausting to baghouse CE-FB-30, shall not exceed 0.0543 pound per ton of flour input and the flour input to each facility shall not exceed 8,365 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.227 tons per year from each facility, and 0.454 tons per year, total. Since the potential to emit after controls is 0.206 tons per year, total, the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread scale hopper, identified as EU-PR-FB-31, will comply with this limitation. The baghouse (CE-FB-30) controlling usebin and scale hopper must be in operation at all times when the usebin or scale hopper is in operation in order to comply with this limit.
- (j) The potential to emit PM and PM₁₀ from the one (1) flatbread mixer, identified as EU-PR-FB-32, shall not exceed 0.484 pound per ton of raw materials, excluding water, input and the raw materials, excluding water, input shall not exceed 10,931 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the

potential to emit PM and PM₁₀ to 2.65 tons per year. Since the potential to emit after controls is 2.41 tons per year, the one (1) flatbread mixer, identified as EU-PR-FB-32, will comply with this limitation. The filter (CE-FB-32) controlling the mixer must be in operation at all times when the mixer is in operation in order to comply with this limit.

- (k) The potential to emit PM and PM₁₀ from the one (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01, and one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, both exhausting to baghouse CE-FBM-02, shall not exceed 0.710 pound per ton of ingredients input and the ingredients input to each facility shall not exceed 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.227 tons per year from each facility, and 0.454 tons per year, total. Since the potential to emit after controls is 0.206 tons per year, total, the one (1) flatbread minor ingredients hand dumper, identified as EU-PR-FBM-01, and one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, will comply with this limitation. The baghouse (CE-FBM-02) controlling hand dumper and usebin must be in operation at all times when the hand dumper or usebin is in operation in order to comply with this limit.
- (l) The potential to emit PM and PM₁₀ from the one (1) flatbread minor ingredient scale hopper, identified as EU-FBM-03, shall not exceed 0.452 pound per ton of ingredients input and the ingredients input shall not exceed 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.145 tons per year. Since the potential to emit after controls is 0.131 tons per year, the one (1) flatbread minor ingredients scale hopper, identified as EU-FBM-03, will comply with this limitation. The baghouse (CE-FBM-03) controlling scale hopper must be in operation at all times when the scale hopper is in operation in order to comply with this limit.
- (m) The potential to emit PM and PM₁₀ from the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, shall not exceed 0.452 pound per ton of ingredients input and the ingredients input shall not exceed 640 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.145 tons per year. Since the potential to emit after controls is 0.131 tons per year, the one (1) flatbread minor ingredients pre-mix hopper, identified as EU-FBM-04, will comply with this limitation. The baghouse (CE-FBM-04) controlling pre-mix hopper must be in operation at all times when the pre-mix hopper is in operation in order to comply with this limit.
- (n) The potential to emit PM and PM₁₀ from the one (1) primary masa usebin, identified as EU-PR-MA-45, and one (1) primary masa scale hopper, identified as EU-PR-MA-53, both exhausting to baghouse CE-MA-45, shall not exceed 0.136 pound per ton of masa input and the masa input to the one (1) primary masa usebin and one (1) primary masa scale hopper shall each not exceed 2,227 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.151 tons per year from each facility, and 0.302 tons per year, total. Since the potential to emit after controls is 0.137 tons per year, the one (1) primary masa usebin, identified as EU-PR-MA-45, and one (1) primary masa scale hopper, identified as EU-PR-MA-53, will comply with this limitation. The baghouse (CE-MA-45) controlling the usebin and the scale hopper must be in operation at all times when the usebin or scale hopper is in operation in order to comply with this limit.
- (o) The potential to emit PM and PM₁₀ from the one (1) taco shell mixer, identified as EU-PR-MA-52, shall not exceed 0.040 pound per ton of raw materials, excluding water, input and the raw

materials, excluding water, input shall not exceed 2,261 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.045 tons per year. Since the potential to emit after controls is 0.041 tons per year, the one (1) taco shell mixer, identified as EU-PR-MA-52, will comply with this limitation. The filter (CE-MA-52) controlling the mixer must be in operation at all times when the mixer is in operation in order to comply with this limit.

- (p) The potential to emit PM and PM₁₀ from the three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26, shall not exceed 0.8 pound per ton of taco shells input and the taco shell input shall not exceed 14,190 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 5.68 tons per year. The emission limitation is equivalent to the AP-42 emission factor for this process. Therefore, the three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26, will comply with this limitation.
- (q) The potential to emit PM and PM₁₀ from the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, shall not exceed 0.233 pound per ton of whole corn and the whole corn input shall not exceed 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 1.07 tons per year. Since the potential to emit after controls is 0.976 tons per year, the whole corn truck unloading, identified as EU-PR-CR-39, will comply with this limitation. The baghouse (CE-CR-39) controlling the unloading must be in operation at all times when the whole corn truck unloading is in operation in order to comply with this limit.
- (r) The potential to emit PM and PM₁₀ from the two (2) whole corn silos, identified as EU-PR-CR-40 and 41, shall not exceed 0.273 pound per ton of corn input and the corn input shall not exceed 9,198 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 1.26 tons per year. Since the potential to emit after controls is 1.14 tons per year, total, the whole corn silos, identified as EU-PR-CR-40 and 41, will comply with this limitation. The baghouse (CE-CR-40 and 41) controlling each silo must be in operation at all times when the silo is in operation in order to comply with this limit.
- (s) The potential to emit PM and PM₁₀ from the one (1) whole corn scale hopper, identified as EU-PR-CR-42, shall not exceed 0.054 pound per ton of whole corn and the whole corn input shall not exceed 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.248 tons per year. Since the potential to emit after controls is 0.225 tons per year, the whole corn scale hopper, identified as EU-PR-CR-42, will comply with this limitation. The baghouse (CE-CR-42) controlling the whole corn scale hopper must be in operation at all times when the whole corn scale hopper is in operation in order to comply with this limit.
- (t) The potential to emit PM and PM₁₀ from the one (1) chip fryer, identified as EU-PR-CLF-2, shall not exceed 0.8 pound per ton of chips input and the chip input shall not exceed 9,198 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 3.68 tons per year. The emission limitation is equivalent to the AP-42 emission factor for this process. Therefore, the one (1) chip fryer, identified as EU-PR-CLF-2, will comply with this limitation.
- (u) The potential to emit PM and PM₁₀ from the one (1) chip conveyor, identified as EU-PR-CLAC-2, shall not exceed 0.8 pound per ton of chips input and the chip input shall not exceed 9,198

tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 3.68 tons per year. The emission limitation is equivalent to the AP-42 emission factor for this process. Therefore, the one (1) chip conveyor, identified as EU-PR-CLAC-2, will comply with this limitation.

- (v) The potential to emit PM and PM₁₀ from the one (1) salt tank, identified as EU-PR-SA-01, shall not exceed 0.0113 pound per ton of salt and the salt input shall not exceed 109,500 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit PM and PM₁₀ to 0.619 tons per year. Since the potential to emit after controls is 0.563 tons per year, the salt tank, identified as EU-PR-SA-01, will comply with this limitation. The baghouse (CE-SA-01) controlling the salt tank must be in operation at all times when the salt tank is in operation in order to comply with this limit.

As a result of these limits, the potential to emit PM and PM₁₀ from the total of all significant emission units is limited to 43.0 tons per year, including negligible emissions from two (2) cooking kettles, one (1) whole corn transfer tank, twelve (12) whole corn holding tanks, and one (1) wet corn grinder, but not including combustion. The potential to emit PM from the total of all combustion is 1.69 tons per year and the potential to emit PM₁₀ is 1.96 tons per year from combustion. Therefore, the potential to emit PM from the entire source is limited to no more than 49.7 tons per year and the potential to emit PM₁₀ from the entire source is limited to no more than 50.0 tons per year, including no more than 5.00 tons per year of PM and PM₁₀ from non-combustion insignificant activities. Although the emissions may be much higher than this and the source would still not be a major source of PM or PM₁₀ pursuant to 326 IAC 2-2, PSD, the applicant requested these emission limitations. The source will be able to comply with the emission limitations of the permit, and should modeling be required in the future these emission limitations are a more realistic representation of the activities at this source.

326 IAC 2-6 (Emission Reporting)

- (a) This source is located in Jay County and the potential to emit PM₁₀ is limited to less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.
- (b) The total source emissions after controls are less than 100 tons per year of PM₁₀ and the applicant has indicated that the control devices were operated at all times when the facilities were in operation and the facilities at this source have not exceeded their capacities. Therefore, the actual PM₁₀ emissions since the source was constructed were less than 100 tons per twelve (12) consecutive month period, and the source the requirements of this rule were also not applicable prior to this FESOP.

326 IAC 2-8-4 (FESOP)

Pursuant to this rule, the amount of PM₁₀ shall be limited to less than one hundred (100) tons per year. The limitations listed under "326 IAC 2-2" above will limit the potential to emit PM₁₀ to 50.0 tons per year, which is less than 100 tons per year, from the entire source. Therefore, the requirements of 326 IAC 2-7, Part 70, are not applicable.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity limitations), except as provided in 326 IAC 5-1-3 (Temporary alternative opacity limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute aver-

aging period as determined in 326 IAC 5-1-4.

- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR Part 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability - Individual Facilities

326 IAC 6-2-4 (Emission limitations for facilities specified in 326 IAC 6-2-1(d))

The one (1) boiler was constructed after September 23, 1983. Therefore, the boiler is subject to the requirements of 326 IAC 6-2-4. The emission limitations are based on the following equation is given in 326 IAC 6-2-4:

$$Pt = 1.09/Q^{0.26}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

The heat input capacity of the boiler is 6.30 million British thermal units per hour. There were no existing boilers at the source when that boiler was constructed.

$$Pt = 1.09/(6.30)^{0.26} = 0.68 \text{ lb/MMBtu heat input}$$

Pursuant to 326 IAC 6-2-4(a), for Q less than 10 million British thermal units per hour, Pt shall not exceed 0.6. Therefore, the particulate emissions from the one (1) boiler shall not exceed 0.6 pound per million British thermal units.

The PM emissions are higher when operating on propane. Based on Appendix A, the potential PM emission rate is:

$$0.181 \text{ ton/yr} \times (2000 \text{ lbs/ton} / 8760 \text{ hrs/yr}) = 0.041 \text{ lb/hr}$$
$$(0.041 \text{ lb/hr} / 6.30 \text{ MMBtu/hr}) = 0.007 \text{ lb PM per MMBtu, which is less than 0.6}$$

Therefore, the one (1) boiler will comply with this rule.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

- (a) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flour silo, identified as EU-PR-FL-31, exhausting to baghouse CE-FL-31, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 12.0 pounds per hour, the one (1) flour silo, identified as EU-PR-FL-31, will comply with this rule.
- (b) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flour silo, identified as EU-PR-FL-32, exhausting to baghouse CE-FL-32, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 12.0 pounds per hour, the one (1) flour silo, identified as EU-PR-FL-32, will comply with this rule.
- (c) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flour silo, identified as EU-PR-FL-33, exhausting to baghouse CE-FL-33, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 12.0 pounds per hour, the one (1) flour silo, identified as EU-PR-FL-33, will comply with this rule.
- (d) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flour silo, identified as EU-PR-FL-34, exhausting to baghouse CE-FL-34, shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 12.0 pounds per hour, the one (1) flour silo, identified as EU-

PR-FL-34, will comply with this rule.

- (e) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flour sifter, identified as EU-PR-FL-36, exhausting to baghouse CE-FL-36, shall not exceed 21.7 pounds per hour when operating at a process weight rate of 12.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 4.46 pounds per hour, the one (1) flour sifter, identified as EU-PR-FL-36, will comply with this rule.
- (f) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flour sifter, identified as EU-PR-FL-37, exhausting to baghouse CE-FL-37, shall not exceed 21.7 pounds per hour when operating at a process weight rate of 12.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 4.46 pounds per hour, the one (1) flour sifter, identified as EU-PR-FL-37, will comply with this rule.
- (g) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) tortilla flour usebin, identified as EU-PR-FL-35, and the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, all exhausting to baghouse CE-FL-35, shall not exceed 30.0 pounds per hour when operating at a total process weight rate of 19.5 tons per hour (24,000 pounds per hour at the usebin and 15,000 pounds per hour at the scale hoppers, total). Since the unrestricted potential particulate emissions from these facilities are 42.9 pounds per hour, total, and the potential to emit after controls is 0.429 pounds per hour, the baghouse identified as CE-FL-35 must operate at all times when the one (1) tortilla flour usebin, identified as EU-PR-FL-35, or the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, is/are in operation in order to comply with this rule.
- (h) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) tortilla mixer, identified as EU-PR-TO-09, shall not exceed 5.93 pounds per hour, when operating at a process weight rate of 1.736 tons per hour. Since the unrestricted potential particulate emissions from this facility are 3.82 pounds per hour, the one (1) tortilla mixer, identified as EU-PR-TO-09, will comply with this rule.
- (i) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) tortilla mixer, identified as EU-PR-TO-10, shall not exceed 5.93 pounds per hour, when operating at a process weight rate of 1.736 tons per hour. Since the unrestricted potential particulate emissions from this facility are 3.82 pounds per hour, the one (1) tortilla mixer, identified as EU-PR-TO-10, will comply with this rule.
- (j) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) tortilla mixer, identified as EU-PR-TO-11, shall not exceed 5.93 pounds per hour, when operating at a process weight rate of 1.736 tons per hour. Since the unrestricted potential particulate emissions from this facility are 3.82 pounds per hour, the one (1) tortilla mixer, identified as EU-PR-TO-11, will comply with this rule.
- (k) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-36, shall not exceed 13.6 pounds per hour when operating at a process weight rate of 6.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 6.86 pounds per hour, the one (1) tortilla minor ingredients scale hopper, identified as EU-PR-TMI-36, will comply with this rule.
- (l) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-37, shall not exceed 13.6 pounds per hour when operating

at a process weight rate of 6.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 6.86 pounds per hour, the one (1) tortilla minor ingredients scale hopper, identified as EU-PR-TMI-37, will comply with this rule.

- (m) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) tortilla minor ingredient scale hopper, identified as EU-PR-TMI-38, exhausting to baghouse CE-TMI-38, shall not exceed 13.6 pounds per hour when operating at a process weight rate of 6.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 6.86 pounds per hour, the one (1) tortilla minor ingredients scale hopper, identified as EU-PR-TMI-38, will comply with this rule.
- (n) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread flour scale hopper, identified as EU-PR-FB-31, both exhausting to baghouse CE-FB-30, shall not exceed 30.0 pounds per hour when operating at a total process weight rate of 19.5 tons per hour (24,000 pounds per hour at the usebin and 15,000 pounds per hour at the scale hopper). Since the unrestricted potential particulate emissions from these facilities are 4.71 pounds per hour, total, the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread flour scale hopper, identified as EU-PR-FB-31, will comply with this rule.
- (o) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flatbread mixer, identified as EU-PR-FB-32, shall not exceed 4.76 pounds per hour when operating at a total process weight rate of 1.25 tons per hour. Since the unrestricted potential particulate emissions from this facility is 2.75 pounds per hour, the one (1) flatbread mixer, identified as EU-PR-FB-32, will comply with this rule.
- (p) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01, and the one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, both exhausting to baghouse CE-FBM-02, shall not exceed 4.10 pounds per hour when operating at a total process weight rate of 1.0 ton per hour (1,000 pounds per hour at the hand dumper and 1,000 pounds per hour at the usebin). Since the unrestricted potential particulate emissions from these facilities are 4.71 pounds per hour, total, and the potential to emit after controls is 0.047 pounds per hour, the baghouse identified as CE-FBM-02 must be in operation at all times when the one (1) flatbread minor ingredient hand dumper, identified as EU-PR-FBM-01, or the one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, is in operation in order to comply with this rule.
- (q) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, shall not exceed 15.8 pounds per hour when operating at a process weight rate of 7.5 tons per hour. Since the unrestricted potential particulate emissions from this facility are 3.00 pounds per hour, the one (1) flatbread minor ingredients pre-mix hopper, identified as EU-FBM-04, will comply with this rule.
- (r) Pursuant to 326 IAC 6-3-2, the particulate from the two (2) masa totes and one (1) primary masa usebin, identified as EU-PR-MA-45, and the one (1) primary masa scale hopper, identified as EU-PR-MA-53, all exhausting to baghouse CE-MA-45, shall not exceed 19.8 pounds per hour when operating at a total process weight rate of 10.5 tons per hour (9,000 pounds per hour at the usebin (including the masa totes) and 12,000 pounds per hour at the scale hopper). Since the unrestricted potential particulate emissions from these facilities are 3.14 pounds per hour, total, the two (2) masa totes and one (1) primary masa usebin, identified as EU-PR-MA-45, and the one (1) primary masa scale hopper, identified as EU-PR-MA-53,

will comply with this rule.

- (s) Pursuant to 326 IAC 6-3-2, the particulate from the three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26, shall not exceed 5.66 pounds per hour, total, when operating at a process weight rate of 1.62 tons per hour, total. Since the unrestricted potential particulate emissions from these facilities are 1.30 pounds per hour, the three (3) taco shell fryers, identified as EU-PR-TS-20, 23 and 26, will comply with this rule.
- (t) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, shall not exceed 25.2 pounds per hour when operating at a process weight rate of 15.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 22.3 pounds per hour, and the potential to emit after controls is 0.223 pounds per hour, the baghouse identified as CE-CR-39 must be in operation at all times when the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, is in operation in order to comply with this rule.
- (u) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) whole corn silo, identified as EU-PR-CR-40, shall not exceed 25.2 pounds per hour when operating at a process weight rate of 15.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 13.0 pounds per hour, the one (1) whole corn silo, identified as EU-PR-CR-40, will comply with this rule.
- (v) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) whole corn silo, identified as EU-PR-CR-41, shall not exceed 25.2 pounds per hour when operating at a process weight rate of 15.0 tons per hour. Since the unrestricted potential particulate emissions from this facility are 13.0 pounds per hour, the one (1) whole corn silo, identified as EU-PR-CR-41, will comply with this rule.
- (w) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) whole corn scale hopper, identified as EU-PR-CR-42, shall not exceed 11.2 pounds per hour when operating at a process weight rate of 4.50 tons per hour. Since the unrestricted potential particulate emissions from this facility are 5.14 pounds per hour, the one (1) whole corn scale hopper, identified as EU-PR-CR-42, will comply with this rule.
- (x) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) corn chip fryer, identified as EU-PR-CLF-2, shall not exceed 4.24 pounds per hour, when operating at a process weight rate of 1.05 tons per hour. Since the unrestricted potential particulate emissions from this facility are 0.840 pounds per hour, the one (1) corn chip fryer, identified as EU-PR-CLF-2, will comply with this rule.
- (y) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) corn chip conveyor, identified as EU-PR-CLAC-2, shall not exceed 4.24 pounds per hour, when operating at a process weight rate of 1.05 tons per hour. Since the unrestricted potential particulate emissions from this facility are 0.840 pounds per hour, the one (1) corn chip conveyor, identified as EU-PR-CLAC-2, will comply with this rule.
- (z) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) salt tank, identified as EU-PR-SA-01, shall not exceed 22.3 pounds per hour when operating at a process weight rate of 12.5 tons per hour. Since the unrestricted potential particulate emissions from this facility are 0.64 pounds per hour, the one (1) salt tank, identified as EU-PR-SA-01, will comply with this rule.

- (aa) The unrestricted potential to emit particulate from the one (1) flatbread minor ingredients scale hopper, identified as EU-FBM-03, the thirty-eight (38) tortilla minor ingredient usebins, identified as EU-PR-TMI-40 through 77, two (2) tortilla minor ingredient scale hoppers, identified as EU-PR-TMI-78 and 79, two (2) corn cooking kettles, one (1) whole corn transfer tank, twelve (12) whole corn holding tanks, one (1) wet corn grinder, one (1) taco shell mixer, and all ovens are each less than 0.551 pounds per hour, total. Therefore, pursuant to 326 IAC 6-3-1(b)(14), those processes are exempt from the requirements of 326 IAC 6-3, Particulate Emission Limitations for Manufacturing Processes.
- (bb) The welding operations at this source consume less than six hundred twenty-five (625) pounds of rod or wire per day. Therefore, pursuant to 326 IAC 6-3-2(b)(9), the requirements of 326 IAC 6-3-2 are not applicable.
- (cc) The torch cutting operations at this source cut less than three thousand four hundred (3,400) inches per hour of stock one (1) inch thickness or less. Therefore, pursuant to 326 IAC 6-3-2(b)(10), the requirements of 326 IAC 6-3-2 are not applicable.

The limitations in (a) through (z) are based upon the following:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

326 IAC 8-1-6 (New facilities; General reduction requirements)

The potential VOC emissions from the facilities at this source are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-3-2 (Cold Cleaner Operations)

The one (1) insignificant parts washer is subject to the provisions of 326 IAC 8-3-2 (Organic solvent degreasing operations: cold cleaner operations). Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

- (a) equip the cleaner with a cover;
- (b) equip the cleaner with a facility for draining cleaned parts;
- (c) close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) provide a permanent, conspicuous label summarizing the operating requirements;
- (f) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Organic Solvent Degreasing Operations)

The one (1) insignificant parts washer is also subject to the provisions of 326 IAC 8-3-5 (Organic solvent degreasing operations: cold cleaner degreaser operation and control) because it was constructed after July 1, 1990, and does not have a remote solvent reservoir. Pursuant to 326 IAC 8-3-5, the Permittee shall:

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

- (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

326 IAC 9-1 (Carbon Monoxide Emission Rules)

There is no CO emission limitation established by 326 IAC 2 for this source. Therefore, pursuant to 326 IAC 9-1-1, the requirements of 326 IAC 9-1 are not applicable.

Testing Requirements

There are no testing requirements specifically applicable to these facilities at this time.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- (a) The flour silo system has applicable compliance monitoring conditions as specified below:
 - (1) Visible emission notations of the silo baghouses (CE-FL-31 through 34) exhausts shall be performed once per shift during normal daylight operations. Visible emission notations of the sifter baghouses (CE-FL-36 and 37) exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -

Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (2) The Permittee shall record the total static pressure drop across the baghouses (CE-FL-31 through 34, 36 and 37) used in conjunction with the four (4) flour silos and two (2) flour sifters, at least once per shift when the processes exhausting to the baghouses are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.
- (3) An inspection shall be performed each calendar quarter of all bags controlling the four (4) flour silos. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (4) An inspection shall be performed each calendar quarter of all bags controlling the two (2) flour sifters when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (5) In the event that bag failure has been observed:
 - (A) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
 - (B) For single compartment baghouses, if failure is indicated by a significant drop

in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (6) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the baghouses for the four (4) flour silos and two (2) flour sifters must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), and to ensure that this source is a minor source pursuant to 326 IAC 2-2, PSD

- (b) The tortilla production process has applicable compliance monitoring conditions as specified below:

- (1) Visible emission notations of the one (1) tortilla flour usebin (EU-PR-FL-35) and the three (3) tortilla scale hoppers (EU-PR-FL-38 through 40) baghouse (CE-FL-35) exhaust; three (3) tortilla mixers (EU-PR-TO-09 through 11) filters (CE-TMI-09 through 11) exhausts; thirty-eight (38) tortilla minor ingredient usebins (EU-PR-TMI-40 through 77) exhausts; three (3) tortilla minor ingredient scale hoppers (EU-PR-TMI-78 and 79) exhausts; and three (3) tortilla minor ingredient scale hopper (EU-PR-TMI-36 through 38) baghouse (CE-TMI-36 through 38) exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (2) The Permittee shall record the total static pressure drop across the baghouse (CE-FL-35) used in conjunction with the one (1) tortilla flour usebin, identified as EU-PR-FL-35, and the three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation,

Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

- (3) The Permittee shall record the total static pressure drop across the baghouses (CE-TMI-36 through 38) used in conjunction with the three (3) tortilla minor ingredients scale hoppers, identified as EU-PR-TMI-36 through 38, respectively, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.
- (4) An inspection shall be performed each calendar quarter of all bags controlling the one (1) tortilla flour usebin, identified as EU-PR-FL-35, three (3) tortilla scale hoppers, identified as EU-PR-FL-38 through 40, and three (3) tortilla minor ingredients scale hoppers, identified as EU-PR-TMI-36 through 38, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (5) An inspection shall be performed each calendar quarter of all filters controlling the three (3) tortilla mixers, identified as EU-PR-TO-09 through 11, when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced.
- (6) In the event that bag failure has been observed:
 - (A) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be

repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

- (B) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (7) In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (8) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the baghouse (CE-FL-35) for the one (1) tortilla flour usebin (EU-PR-FL-35) and the three (3) tortilla scale hoppers (EU-PR-FL-38 through 40), the filters (CE-TMI-09 through 11) for the three (3) tortilla mixers (EU-PR-TO-09 through 11), the thirty-eight (38) tortilla minor ingredient usebins (EU-PR-TMI-40 through 77), the three (3) tortilla minor ingredient scale hoppers (EU-PR-TMI-78 and 79), and the baghouses (CE-TMI-36 through 38) for the three (3) tortilla minor ingredient scale hoppers (EU-PR-TMI-36 through 38) must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), and ensure that this source is a minor source pursuant to 326 IAC 2-2, PSD. The baghouse (CE-FL-35) for particulate control of the one (1) tortilla flour usebin (EU-PR-FL-35) and the three (3) tortilla scale hoppers (EU-PR-FL-38 through 40) must also operate properly to ensure compliance with 326 IAC 6-3-2, Particulate Emission Limitations for Manufacturing Processes.

- (c) The flatbread production process has applicable compliance monitoring conditions as specified below:

- (1) Visible emission notations of the one (1) flatbread flour usebin (EU-PR-FB-30) and one (1) flatbread scale hopper (EU-PR-FB-31) baghouse (CE-FB-30) exhaust; the one (1) flatbread mixer (EU-PR-FB-32) filter (CE-FB-32) exhaust; the one (1) flatbread minor ingredient hand dump mixer (EU-PR-FMB-01) and one (1) flatbread minor ingredient usebin (EU-PR-FBM-02) baghouse (CE-FBM-02) exhaust; the one (1) flatbread minor ingredient scale hopper (EU-FBM-03) filter (CE-FBM-03) exhaust; and the one (1) flatbread minor ingredient pre-mix hopper (EU-FBM-04) baghouse (CE-FBM-04) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions

are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (2) The Permittee shall record the total static pressure drop across the baghouse (CE-FB-30) used in conjunction with the one (1) flatbread flour usebin, identified as EU-PR-FB-30, and the one (1) flatbread scale hopper, identified as EU-PR-FB-31, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.
- (3) The Permittee shall record the total static pressure drop across the baghouse (CE-FBM-02) used in conjunction with the one (1) flatbread minor ingredient hand dump hopper, identified as EU-PR-FBM-01, and one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.
- (4) The Permittee shall record the total static pressure drop across the baghouse (CE-FBM-04) used in conjunction with the one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, at least once per shift when the process exhausting to the baghouse is in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and

6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

- (5) An inspection shall be performed each calendar quarter of all bags controlling the one (1) flatbread flour usebin, identified as EU-PR-FB-30, one (1) flatbread scale hopper, identified as EU-PR-FB-31, one (1) flatbread minor ingredient hand dump hopper, identified as EU-PR-FBM-01, one (1) flatbread minor ingredient usebin, identified as EU-PR-FBM-02, and one (1) flatbread minor ingredient pre-mix hopper, identified as EU-FBM-04, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (6) An inspection shall be performed each calendar quarter of all filters controlling the one (1) flatbread mixer, identified as EU-PR-FB-32, and the one (1) flatbread minor ingredients scale hopper, identified as EU-FBM-03, when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced.
- (7) In the event that bag failure has been observed:
 - (A) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
 - (B) For single compartment baghouses, if failure is indicated by a significant drop

in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (8) In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (9) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the baghouse (CE-FB-30) for the one (1) flatbread flour usebin (EU-PR-FB-30) and one (1) flatbread scale hopper (EU-PR-FB-31); the filter (CE-FB-32) for the one (1) flatbread mixer (EU-PR-FB-32), the baghouse (CE-FBM-02) for the one (1) flatbread minor ingredient hand dump mixer (EU-PR-FMB-01) and one (1) flatbread minor ingredient usebin (EU-PR-FBM-02), the filter (CE-FBM-03) for the one (1) flatbread minor ingredients scale hopper (EU-FBM-03), and the baghouse (CE-FBM-04) for the one (1) flatbread minor ingredients pre-mix hopper (EU-FBM-04) must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), and ensure that this source is a minor source pursuant to 326 IAC 2-2, PSD. The baghouse (CE-FBM-02) for particulate control of the one (1) flatbread minor ingredients hand dumper (EU-PR-FBM-01) and one (1) flatbread minor ingredient usebin (EU-PR-FBM-02) must also operate properly to ensure compliance with 326 IAC 6-3-2, Particulate Emission Limitations for Manufacturing Processes.

- (d) The taco shell production process has applicable compliance monitoring conditions as specified below:

- (1) Visible emission notations of the one (1) primary masa usebin (EU-PR-MA-45) and one (1) primary masa scale hopper (EU-PR-MA-53) baghouse (CE-MA-45) exhaust and the one (1) taco shell mixer (EU-PR-MA-52) filter (CE-MA-52) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. Visible emission notations of the three (3) taco shell fryers (EU-PR-TS-20, 23 and 26) stack (EP-TSF-3, 4 and 5) exhausts shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (2) The Permittee shall record the total static pressure drop across the baghouse (CE-MA-45) used in conjunction with the one (1) primary masa usebin, identified as EU-PR-MA-45, and the one (1) primary masa scale hopper, identified as EU-PR-MA-53, at least once per shift when the processes exhausting to the baghouse are in operation when venting to the atmosphere. When or any one reading, the pressure

drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

- (3) An inspection shall be performed each calendar quarter of all bags controlling the one (1) primary masa usebin, identified as EU-PR-MA-45 and the one (1) primary masa scale hopper, identified as EU-PR-MA-53, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (4) An inspection shall be performed each calendar quarter of all filters controlling the one (1) taco shell mixer, identified as EU-PR-MA-52, when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced.
- (5) In the event that bag failure has been observed:
 - (A) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
 - (B) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks,

dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (6) In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (7) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the baghouse (CE-MA-45) for the one (1) primary masa usebin (EU-PR-MA-45) and one (1) primary masa scale hopper (EU-PR-MA-53), and the filter (CE-MA-52) for the one (1) taco shell mixer (EU-PR-MA-52) must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), and ensure that this source is a minor source pursuant to 326 IAC 2-2, PSD.

- (e) The whole corn chip production process has applicable compliance monitoring conditions as specified below:

- (1) Visible emission notations of the one (1) whole corn truck unloading station (EU-PR-CR-39) baghouse (CE-CR-39) stack exhaust; the two (2) whole corn silos (EU-PR-CR-40 and 41) baghouse (CE-CR-40 and 41) stack exhausts; the one (1) whole corn scale hopper (EU-PR-CR-42) baghouse (CE-CR-42) stack exhaust; the one (1) chip fryer (EU-PR-CLF-2) exhaust; and the one (1) chip conveyor (EU-CLAC-2) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (2) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-39) used in conjunction with the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, at least once per shift. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response

Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

- (3) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-40) used in conjunction with the one (1) whole corn silo, identified as EU-PR-CR-40, at least once per shift. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.
- (4) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-41) used in conjunction with the one (1) whole corn silo, identified as EU-PR-CR-41, at least once per shift. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.
- (5) The Permittee shall record the total static pressure drop across the baghouse (CE-CR-42) used in conjunction with the one (1) whole corn scale hopper, identified as EU-PR-CR-42, at least once per shift when the process exhausting to the baghouse is in operation when venting to the atmosphere. When or any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once

every six (6) months.

- (6) An inspection shall be performed each calendar quarter of all bags controlling the one (1) whole corn truck unloading station, identified as EU-PR-CR-39, and two (2) whole corn silos, identified as EU-PR-CR-40 and 41. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (7) An inspection shall be performed each calendar quarter of all bags controlling the one (1) whole corn scale hopper, identified as EU-PR-CR-42, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (8) In the event that bag failure has been observed:
 - (A) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
 - (B) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (9) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the baghouse (CE-CR-39) for the one (1) whole corn truck unloading station (EU-PR-CR-39), the baghouses (CE-CR-40 and 41) for the two (2) whole corn silos (EU-PR-CR-40 and 41), the baghouse (CE-CR-42) for the one (1) whole corn scale hopper (EU-PR-CR-42), the one (1) chip fryer (EU-PR-CLF-2), and the one

(1) chip conveyor (EU-CLAC-2) must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), and ensure that this source is a minor source pursuant to 326 IAC 2-2, PSD. The baghouse (CE-CR-39) for particulate control of the one (1) whole corn truck unloading station (EU-PR-CR-39) must also operate properly to ensure compliance with 326 IAC 6-3-2, Particulate Emission Limitations for Manufacturing Processes.

(f) The one (1) salt tank (EU-PR-SA-01) has applicable compliance monitoring conditions as specified below:

- (1) Visible emission notations of the one (1) salt tank, identified as EU-PR-SA-01, filter stack exhaust, shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (2) An inspection shall be performed each calendar quarter of all filters controlling the one (1) taco shell mixer, identified as EU-PR-MA-52. Inspections required by this condition shall not be performed in consecutive months. All defective filter socks shall be replaced.
- (3) In the event that filter failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (4) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the filter for the one (1) salt tank, identified as EU-PR-SA-01, must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), and ensure that this source is a minor source pursuant to 326 IAC 2-2, PSD.

Conclusion

The operation of this taco shell, corn chip, tortilla and flatbread manufacturing source shall be subject to the conditions of the attached proposed FESOP No.: F 075-17765-00022.

Appendix A: Emission Calculations
Controlled Snack Food Production Equipment

Page 1 of 6 TSD App A

Company Nam Tyson Foods, Inc., Mexican Original
Address City II 1355 W. Tyson Road, Portland, Indiana 47371
FESOP: 075-17765
Pit ID: 075-00022
Reviewer: CarrieAnn Paukowitz
Date: May 27, 2003

Unit ID	Description	Control ID	Control Efficiency (%)	Grain Loading per Act Cubic foot of Outlet A (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	PM Emission Rate before Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)	PM Emission Rate after Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)	Maximum Hourly Capacity (lbs/hr)	Allowable Particulate based on 326 IAC 6-3-2 (lbs/hr)	Limited Annual Input Capacity (tons/yr)	Allowable PM 326 IAC 2-2 (lbs/ton)	Allowable PM-1 326 IAC 2-8 (lbs/ton)	Limited PTE PM 326 IAC 2-2 (tons/yr)	Limited PTE PM 326 IAC 2-8 (tons/yr)
Flour System																
EU-PR-FL-31	One (1) flour silo	CE-FL-31	99.0%	0.0200	700	12.00	52.6	0.1200	0.526	36000	28.4	45896	0.101	0.101	2.313	2.313
EU-PR-FL-32	One (1) flour silo	CE-FL-32	99.0%	0.0200	700	12.00	52.6	0.1200	0.526	36000	28.4	above total for all silos	same as above	same as above	with above	with above
EU-PR-FL-33	One (1) flour silo	CE-FL-33	99.0%	0.0200	700	12.00	52.6	0.1200	0.526	36000	28.4	above total for all silos	same as above	same as above	with above	with above
EU-PR-FL-34	One (1) flour silo	CE-FL-34	99.0%	0.0200	700	12.00	52.6	0.1200	0.526	36000	28.4	above total for all silos	same as above	same as above	with above	with above
EU-PR-FL-36	One (1) flour sifter	CE-FL-36	99.0%	0.0200	260	4.46	19.5	0.0446	0.195	24000	21.7	45896	0.0187	0.0187	0.429	0.429
EU-PR-FL-37	One (1) flour sifter	CE-FL-37	99.0%	0.0200	260	4.46	19.5	0.0446	0.195	24000	21.7	above total for sifter	same as above	same as above	with above	with above
Tortilla Minor Ingredients																
EU-PR-TMI-36	One (1) tortilla minor ingredients scale hopper	CE-TMI-36	99.0%	0.0200	400	6.86	30.0	0.0686	0.300	12000	13.62	1095	0.603	0.603	0.330	0.330
EU-PR-TMI-37	One (1) tortilla minor ingredients scale hopper	CE-TMI-37	99.0%	0.0200	400	6.86	30.0	0.0686	0.300	12000	13.62	2189	0.604	0.604	0.661	0.661
EU-PR-TMI-38	One (1) tortilla minor ingredients scale hopper	CE-TMI-38	99.0%	0.0200	400	6.86	30.0	0.0686	0.300	12000	13.62	above total for scale hoppers 37 and 38	same as above	same as above	with above	with above
Flatbread																
EU-PR-FB-30 and	One (1) flatbread flour usebin and one (1) flatbread scale hopper	CE-FB-30	99.0%	0.0200	275	4.71	20.6	0.0471	0.206	39000	30.0	8365	0.0543	0.0543	0.227	0.227
Flatbread Minor Ingredients									scale hopper =	above total for flour usebin =	above total for both	8365	0.0543	0.0543	0.227	0.227
EU-PR-FBM-01 and EU-PR-FBM-02	One (1) flatbread minor ingredient hand dump hopper & One (1) flatbread minor ingredient usebin	CE-FBM-02	99.0%	0.0200	275	4.71	20.6	0.0471	0.206	2000	4.10	640	0.710	0.710	0.227	0.227
EU-FBM-03	One (1) flatbread minor ingredients scale hopper	CE-FBM-03	80.0%	0.0200	175	0.15	0.7	0.0300	0.131	15000	n/a	640	0.452	0.452	0.145	0.145
EU-FBM-04	One (1) flatbread minor ingredients pre-mix hopper	CE-FBM-04	99.0%	0.0200	175	3.00	13.1	0.0300	0.131	15000	15.8	640	0.452	0.452	0.145	0.145
Taco Shells																
EU-PR-MA-45 and EU-PR-MA-53	One (1) primary masa usebin (including two (2) masa totes) and one (1) primary masa scale hopper	CE-MA-45	99.0%	0.0200	183	3.14	13.7	0.0314	0.137	21000	19.8	2227	0.136	0.136	0.151	0.151
EU-PR-CR-39	Whole corn truck unloader	CE-CR-39	99.0%	0.0200	1300	22.29	97.6	0.2229	0.976	30000	25.2	9198	0.233	0.233	1.07	1.07
EU-PR-CR-40	One (1) whole corn silo	CE-CR-40	99.0%	0.0200	760	13.03	57.1	0.1303	0.571	30000	25.2	9198	0.273	0.273	1.26	1.26
EU-PR-CR-41	One (1) whole corn silo	CE-CR-41	99.0%	0.0200	760	13.03	57.1	0.1303	0.571	30000	25.2	above total for both	same as above	same as above	with above	with above
EU-PR-CR-42	One (1) whole corn scale hopper	CE-CR-42	99.0%	0.0200	300	5.14	22.5	0.0514	0.225	9000	11.2	9198	0.054	0.054	0.248	0.248
EU-PR-SA-01	One (1) salt tank	CE-SA-01	80.0%	0.0200	750	0.64	2.8	0.1286	0.563	25000	22.3	109500	0.0113	0.0113	0.619	0.619
						147	645	1.62	7.11							
										377					8.43	8.43

Methodology

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Emission Rate in lbs/hr (before controls) = Emission Rate (after controls): (lbs/hr)/(1-control efficiency)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Process weight rate (tons/hr) = Maximum hourly capacity (lbs/hr) / 2,000 lbs/ton
Allowable Particulate Emissions based on 326 IAC 6-3-2 = 4.10(Process weight rate (tons/hr))^0.67

Limited PM based on 326 IAC 2-2 = (Potential to emit after controls x 10% safety factor) / Limited throughput (tons/yr)
PM = PM10

**Appendix A: Emission Calculations
Controlled Snack Food Production Equipment**

Company N Tyson Foods, Inc., Mexican Original
Address Cit 1355 W. Tyson Road, Portland, Indiana 47371
FESOP: 075-17765
Pit ID: 075-00022
Reviewer: CarrieAnn Paukowits
Date: May 27, 2003

Process	Unit ID	Control ID	Maximum Capacity (lbs/hr)	Emission factors		Potential to emit				Control Efficiency (%)	Potential to emit after controls				Allowable Particulate based on 326 IAC 6-8 (lbs/hr)	Limited Annual Input Capacity (tons/yr)	Allowable PM 326 IAC 2-2 (lbs/ton)	Allowable PM-10 326 IAC 2-8 (lbs/ton)	Limited PTE PM 326 IAC 2-2 (tons/yr)	Limited PTE PM-10 326 IAC 2-8 (tons/yr)			
				PM (lbs/ton)	PM10 (lbs/ton)	PM (lbs/hr)	PM10 (lbs/hr)	PM (tons/yr)	PM10 (tons/yr)		PM (lbs/hr)	PM10 (lbs/hr)	PM (tons/yr)	PM10 (tons/yr)									
Tortilla Production																							
One (1) tortilla mixer	EU-PR-TO-09	CE-TO-09	3472	2.2	2.2	3.819	3.819	16.728	16.728	80.0%	0.764	0.764	3.35	3.35	5.93	45622	0.484	0.484	11.0	11.0			
One (1) tortilla mixer	EU-PR-TO-10	CE-TO-10	3472	2.2	2.2	3.819	3.819	16.728	16.728	80.0%	0.764	0.764	3.35	3.35	5.93	above total for 3 mixers	same as above	same as above	above total for 3 mixers	above total for 3 mixers			
One (1) tortilla mixer	EU-PR-TO-11	CE-TO-11	3472	2.2	2.2	3.819	3.819	16.728	16.728	80.0%	0.764	0.764	3.35	3.35	5.93	above total for 3 mixers	same as above	same as above	above total for 3 mixers	above total for 3 mixers			
One (1) tortilla flour usebin	EU-PR-FL-35	CE-FL-35	24000	2.2	2.2	26.4	26.4	115.6	115.6	99.0%	0.264	0.264	1.16	1.16	30.00	37531	0.203	0.203	3.82	3.82			
Three (3) tortilla scale hoppers	EU-PR-FL 38 - 40	CE-FL-35	15000	2.2	2.2	16.5	16.5	72.3	72.3	99.0%	0.165	0.165	0.72	0.72	above total for facilities exhausting to CE-FL-35	37531	0.203	0.203	3.82	3.82			
Flatbread Production																							
One (1) flatbread mixer	EU-PR-FB-32	CE-FB-32	2496	2.2	2.2	2.746	2.746	12.026	12.026	80.0%	0.549	0.549	2.41	2.41	4.76	10931	0.484	0.484	2.65	2.65			
Taco Shell Production																							
One (1) taco shell mixer	EU-PR-MA-52	CE-MA-52	1547	0.061	0.061	0.047	0.047	0.207	0.207	80.0%	0.009	0.009	0.041	0.041	n/a	2261	0.040	0.040	0.045	0.045			
Totals																							
						57.2	57.2	250	250							3.28	3.28	14.4	14.4			21.4	21.4

Methodology

Capacity (tons/yr) = Maximum capacity (tons/hr) x 8,760 hrs/yr / 2,000 lbs/ton

Potential to emit (tons/yr) = Capacity (tons/yr) x Emission factor (lbs/ton)

Allowable Particulate Emissions based on 326 IAC 6-3-2 = 4.10(Process Weight Rate)^{0.67}

Limited PM based on 326 IAC 2-2 = (Potential to emit after controls x 10% safety factor) / Limited throughput (tons/yr)

Limited PM based on 326 IAC 2-8 = (Potential to emit PM-10 after controls x 10% safety factor) / Limited throughput (tons/yr)

The three (3) scale hoppers have the same limit as the one (1) tortilla flour usebin because they all exhaust to baghouse CE-FL-35.

Emission factors are the emission factors for lime manufacturing from AP-42 11.17-4, which are conservative for this process according to the information provided by the applicant.

Emission factors for the taco shell mixer are from AP-42, Chapter 9.9.1-1, since masa is more like corn than flour.

**Appendix A: Emission Calculations
Uncontrolled Snack Food Production Equipment**

Company N Tyson Foods, Inc., Mexican Original
Address Cit 1355 W. Tyson Road, Portland, Indiana 47371
FESOP: 075-17765
Plt ID: 075-00022
Reviewer: CarrieAnn Paukowits
Date: May 27, 2003

Process	Unit ID	Maximum Capacity (lbs/hr)	SCC	Emission factors			Potential to emit						Allowable Particulate based on 326 IAC 6-3-2 (lbs/hr)	Limited Annual Input Capacity (tons/yr)	Limited PTE 326 IAC 2-2 (tons/yr)	Limited PTE 326 IAC 2-8 (tons/yr)
				PM (lbs/ton)	PM10 (lbs/ton)	VOC (lbs/ton)	PM (lbs/hr)	PM10 (lbs/hr)	VOC (lbs/hr)	PM (tons/yr)	PM10 (tons/yr)	VOC (tons/yr)				
Tortilla Production																
Six (6) tortilla ovens	EU-PR-TO-02 through 07	14880		see combustion			see combustion			see combustion			N/A	65172	n/a	n/a
Tortilla minor ingredients																
Thirty-eight (38) used	EU-PR-TMI-40 through 77	1000	3-02-005-30	0.087	0.087	N/A	0.044	0.044	0	0.191	0.191	0.000	N/A	1317	0.057	0.057
Two (2) scale hoppers	EU-PR-TMI-78 and 79	2000	3-02-005-30	0.087	0.087	N/A	0.087	0.087	0	0.381	0.381	0.000	N/A	3284	0.143	0.143
Flatbread Production																
One (1) oven	EU-PR-FB-28	3750		N/A	N/A	1.00	0.000	0.000	1.88	0.000	0.000	8.21	N/A	16425	n/a	n/a
Taco Shell Production																
Three (3) ovens	EU-PR-TS-19, 22 and 25	3240		see combustion			see combustion			see combustion			N/A	14190	n/a	n/a
Three (3) fryers	EU-PR-TS-20, 23 and 26	3240	3-02-036-02	0.8	0.8	0.085	1.30	1.30	0.138	5.68	5.68	0.60	5.66	14190	5.68	5.68
Corn Chip Production																
Two (2) cooking kettles		2121		negligible	negligible	N/A	0.000	0.000	0	0.000	0.000	0.000	N/A	9198	negligible	negligible
One (1) transfer tank		2100	wet process	negligible	negligible	N/A	0.000	0.000	0	0.000	0.000	0.000	N/A	9198	negligible	negligible
Twelve (12) holding tanks		2100	wet process	negligible	negligible	N/A	0.000	0.000	0	0.000	0.000	0.000	N/A	9198	negligible	negligible
One (1) wet corn grinder		2100	wet process	negligible	negligible	N/A	0.000	0.000	0	0.000	0.000	0.000	N/A	9198	negligible	negligible
One (1) chip oven	EU-PR-CL-13	2100		see combustion			see combustion			see combustion			N/A	9198	negligible	negligible
One (1) chip fryer	EU-PR-CLF-2	2100	3-02-036-02	0.8	0.8	0.085	0.840	0.840	0.08925	3.68	3.68	0.39	4.24	9198	3.68	3.68
One (1) chip conveyor	EU-CLAC-2	2100	3-02-036-02	0.8	0.8	0.085	0.840	0.840	0.08925	3.68	3.68	0.39	4.24	9198	3.68	3.68
Totals							3.11	3.11	2.19	13.6	13.6	9.60			13.2	13.2

Hexane = 1.38

Methodology

The emission factors for tortilla minor ingredients are from AP-42, Chapter 13.2.4 assuming all particulate is PM-10 (salt, sugar, etc.)

The emission factors for the fryers are the emission factors for deep fat frying from AP-42, Chapter 9.12.3-3/4

All VOC from frying may be Hexane.

Capacity (tons/yr) = Maximum capacity (tons/hr) x 8,760 hrs/yr / 2,000 lbs/ton

Potential to emit (tons/yr) = Capacity (tons/yr) x Emission factor (lbs/ton)

Allowable Particulate Emissions based on 326 IAC 6-3-2 = 4.10(Process Weight Rate)^{0.67}

Emission units with unrestricted potential particulate emissions of less than 0.551 pounds per hour are not subject to 326 IAC 6-3-2

Appendix A: Emissions Calculations Page 4 of 6 TSD App A
Natural Gas Combustion Only
MM BTU/HR <100

Company Tyson Foods, Inc., Mexican Original
Address 1355 W. Tyson Road, Portland, Indiana 47371
FESOP: 075-17765
Plt ID: 075-00022
Reviewer: CarrieAnn Paukowits
Date: May 27, 2003

		Pollutant				
Emission Factor in lb/MMCF	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.600	100 **see below	5.50	84.0

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Equipment	Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr			Potential Emission			
			PM*	PM10*	SO2	NOx	VOC	CO
Ten (10) direct fired heaters	6.69	58.6044	0.056	0.223	0.018	2.930	0.161	2.461
Eighteen (18) indirect-fired heaters	4.28	37.4928	0.036	0.142	0.011	1.875	0.103	1.575
One (1) boiler	6.30	55.188	0.052	0.210	0.017	2.759	0.152	2.318
One (1) hot water heater	7.00	61.32	0.058	0.233	0.018	3.066	0.169	2.575
Six (6) tortilla ovens	9.00	78.84	0.075	0.300	0.024	3.942	0.217	3.311
One (1) flatbread oven	1.50	13.14	0.012	0.050	0.004	0.657	0.036	0.552
Three (3) taco shell ovens	11.70	102.492	0.097	0.389	0.031	5.125	0.282	4.305
Three (3) taco shell fryer heaters	6.30	55.188	0.052	0.210	0.017	2.759	0.152	2.318
One (1) chip oven	3.20	28.032	0.027	0.107	0.008	1.402	0.077	1.177
One (1) chip fryer heat exchanger	2.90	25.404	0.024	0.097	0.008	1.270	0.070	1.067
Total	58.87	516	0.490	1.96	0.155	25.8	1.42	21.7

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 5 for HAPs emissions calculations.

Appendix A: Emissions Calculations Page 5 of 6 TSD App A
Natural Gas Combustion Only
MM BTU/HR <100
HAPs Emissions

Company Tyson Foods, Inc., Mexican Original
Address 1355 W. Tyson Road, Portland, Indiana 47371
FESOP: 075-17765
Plt ID: 075-00022
Reviewer: CarrieAnn Paukowits
Date: May 27, 2003

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 0.002	Dichlorobenzene 0.001	Formaldehyde 0.075	Hexane 1.80	Toluene 0.003
Potential Emission in tons/yr	0.0005	0.0003	0.019	0.464	0.0009

HAPs - Metals

Emission Factor in lb/MMcf	Lead 0.0005	Cadmium 0.001	Chromium 0.001	Manganese 0.0004	Nickel 0.002	Total HAPs
Potential Emission in tons/yr	0.0001	0.0003	0.0004	0.0001	0.0005	0.487

Methodology is the same as page 4.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emission Calculations
Propane - Commercial Boilers**

Page 6 of 6 TSD App A

Company Tyson Foods, Inc., Mexican Original
Address 1355 W. Tyson Road, Portland, Indiana 47371
FESOP: 075-17765
Plt ID: 075-00022
Reviewer CarrieAnn Paukowits
Date: May 27, 2003

SO₂ Emission factor = 86.5 x S

S = Sulfur Content =

0.02000

Backup fuel

Emission Factor in lb/kgal	Pollutant					
	PM*	PM10*	SO ₂	NO _x	VOC	CO
	0.6	0.6	1.7 (86.5S)	19.0	0.25	3.2

is assumed to be the same as
PM based on a footnote in

Equipment	Heat Input Capacity MMBtu/hr	Potential Through put kgals/yr			Potential Emission			
			PM*	PM10*	SO ₂	NO _x	VOC	CO
Ten (10) direct fired heaters	6.69	640.49	0.192	0.192	0.554	6.085	0.080	1.025
Eighteen (18) indirect-fired heaters	4.28	409.76	0.123	0.123	0.354	3.893	0.051	0.656
One (1) boiler	6.30	603.15	0.181	0.181	0.522	5.730	0.075	0.965
One (1) hot water heater	7.00	670.16	0.201	0.201	0.580	6.367	0.084	1.072
Six (6) tortilla ovens	9.00	861.64	0.258	0.258	0.745	8.186	0.108	1.379
One (1) flatbread oven	1.50	143.61	0.043	0.043	0.124	1.364	0.018	0.230
Three (3) taco shell ovens	11.70	1120.13	0.336	0.336	0.969	10.641	0.140	1.792
Three (3) taco shell fryer heat exchangers	6.30	603.15	0.181	0.181	0.522	5.730	0.075	0.965
One (1) chip oven	3.20	306.36	0.092	0.092	0.265	2.910	0.038	0.490
One (1) chip fryer heat exchanger	2.90	277.64	0.083	0.083	0.240	2.638	0.035	0.444
Total	58.9	5636	1.69	1.69	4.88	53.5	0.705	9.02

Methodology

1 gallon of propane has a heating value of 91,500 Btu (use this to convert emission factors to an energy basis for propane)

Fires 6.22 SCC 01-010-02

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MMBtu

Emission (tons/yr) = Throughput (kgals/yr) x Emission Factor (lb/kgal) / 2,000 lb/ton